₁ # Characterisation of Metadata Properties for PharmML and ₂ Non-PharmML Models in the DDMoRe Annotation Triple ₃ Store
₄ ## Implementation Version: 1.3.0

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₆ DDMoRe M66 – August 2016

₇ # 1 Keys

₈ Each property is described through a number of attributes.

₉ ## 1.1 Namespace abbreviations used

₁₀ **- wat** A dedicated namespace for properties motivated by the context of use of the Phar- ₁₁ mML metadata schema in a Web annotation tool.

₁₂ **- ps** The main and default namespace for the PharmML metadata schema.

₁₃ ## 1.2 Mode

₁₄ **- always** Information is part of a designated set of required information.

₁₅ **- optional** Information is not part of any designated set of required information.

₁₆ **- conditional** Context may alter the mode whereby information may or may not be re- ₁₇ quirred.

₁₈ ## 1.3 Source

₁₉ **- user** Information is provided by a user.

₂₀ **- automatic** Information is extracted through processing (PharmML).

₂₁ **- conditional** Context may alter the mode of acquisition.

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1.4   Choices

- **SINGLE_CONSTRAINED_CHOICE** A unique value taken from a constrained list is expected.

- **MULTIPLE_CONSTRAINED_CHOICE** Multiple values taken from a constrained list are allowed.

- **SINGLE_UNCONSTRAINED_CHOICE** A unique free text value is expected.

- **MULTIPLE_UNCONSTRAINED_CHOICE** Multiple free text values are allowed.

1.5   Values

- **text** Textual value.

- **TEXTLIST** Controlled list of textual values.

- **list** List of identifiers.

- **tree** Hierarchy of identifiers.

- **ontology** Identifiers from a designated ontology.

1.6   Terms used in annotation

- **PharmMLO_0000001** The class of models in the PharmML Ontology.

- **PharmMLO_0000005** The class of models in the PharmML Ontology.

- **PharmMLO_0000006** The class of models in the PharmML Ontology.

- **PharmMLO_0000013** The class of models in the PharmML Ontology.

- **PKPD_0007172** The class of in the DDMoRe application ontology.

- **model** Non-PharmML models (models not encoded in PharmML) can be annotated at the whole model level.

2   Properties

wat:model-has-correspondent

Mode: always.
Source: automatic.
Choices: SINGLE_UNCONSTRAINED_CHOICE.

48   Values: Text.
49   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
50   Annotates Non-PharmML: model.

51 ps:model-has-publication-source-external-id

52   Mode: optional.
53   Source: user.
54   Choices: SINGLE_UNCONSTRAINED_CHOICE.
55   Values: Text.
56   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
57   Annotates Non-PharmML: model.

58 ps:model-has-name

59   Mode: always.
60   Source: user.
61   Choices: SINGLE_UNCONSTRAINED_CHOICE.
62   Values: Text.
63   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
64   Annotates Non-PharmML: model.

65 ps:model-has-author

66   Mode: always.
67   Source: conditional.
68   Choices: SINGLE_UNCONSTRAINED_CHOICE.
69   Values: Text.
70   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
71   Annotates Non-PharmML: model.

72 ps:model-has-description

73   Mode: always.
74   Source: conditional.
75   Choices: SINGLE_UNCONSTRAINED_CHOICE.
76   Values: Text.
77   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
78   Annotates Non-PharmML: model.

79 ps:model-has-description-short

80 Mode: always.
81 Source: user.
82 Choices: SINGLE_UNCONSTRAINED_CHOICE.
83 Values: Text.
84 Annotates Pharmml Object: pmlo:PharmMLO_0000001.
85 Annotates Non-PharmML: model.

86 ps:model-has-description-long

87 Mode: optional.
88 Source: user.
89 Choices: SINGLE_UNCONSTRAINED_CHOICE.
90 Values: Text.
91 Annotates Pharmml Object: pmlo:PharmMLO_0000001.
92 Annotates Non-PharmML: model.

93 wat:model-origin-of-code-in-literature-controlled

94 Mode: always.
95 Source: user.
96 Choices: SINGLE_CONSTRAINED_CHOICE.
97 Values: TEXTLIST.
98 Annotates Pharmml Object: pmlo:PharmMLO_0000001.
99 Annotates Non-PharmML: model.

100 wat:model-implementation-conforms-to-literature-controlled

101 Mode: optional.
102 Source: user.
103 Choices: SINGLE_CONSTRAINED_CHOICE.
104 Values: TEXTLIST.
105 Annotates Pharmml Object: pmlo:PharmMLO_0000001.
106 Annotates Non-PharmML: model.

107 wat:model-implementation-source-discrepancies-freetext

108 Mode: optional.
109 Source: user.
110 Choices: SINGLE_UNCONSTRAINED_CHOICE.
111 Values: Text.

112   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
113   Annotates Non-PharmML: model.

ps:model-modelling-question

115   Mode: always.
116   Source: user.
117   Choices: MULTIPLE_CONSTRAINED_CHOICE.
118   Values: list.
119   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
120   Annotates Non-PharmML: model.

ps:model-research-stage

122   Mode: always.
123   Source: user.
124   Choices: MULTIPLE_CONSTRAINED_CHOICE.
125   Values: tree.
126   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
127   Annotates Non-PharmML: model.

ps:model-field-purpose

129   Mode: optional.
130   Source: user.
131   Choices: MULTIPLE_CONSTRAINED_CHOICE.
132   Values: list.
133   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
134   Annotates Non-PharmML: model.

ps:model-related-to-disease-or-condition

136   Mode: optional.
137   Source: user.
138   Choices: SINGLE_UNCONSTRAINED_CHOICE.
139   Values: Ontology.
140   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
141   Annotates Non-PharmML: model.

142   ps:model-tasks-in-scope

143   Mode: always.

144   Source: user.

145   Choices: MULTIPLE_CONSTRAINED_CHOICE.

146   Values: list.

147   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

148   Annotates Non-PharmML: model.

149   ps:trialdesign-HasAssociatedDataOfType-DataPool

150   Mode: always.

151   Source: user.

152   Choices: MULTIPLE_CONSTRAINED_CHOICE.

153   Values: list.

154   Annotates Pharmml Object: pmlo:PharmMLO_0000006.

155   ps:model-HasAssociatedDataOfType-DataPool

156   Mode: always.

157   Source: user.

158   Choices: MULTIPLE_CONSTRAINED_CHOICE.

159   Values: list.

160   Annotates Non-PharmML: model.

161   ps:trialdesign-HasAssociatedOrganismType-DataPool

162   Mode: always.

163   Source: user.

164   Choices: MULTIPLE_CONSTRAINED_CHOICE.

165   Values: list.

166   Annotates Pharmml Object: pmlo:PharmMLO_0000006.

167   ps:model-HasAssociatedOrganismType-DataPool

168   Mode: always.

169   Source: user.

170   Choices: MULTIPLE_CONSTRAINED_CHOICE.

171   Values: list.

172   Annotates Non-PharmML: model.

173 **ps:trialdesign-HasAssociatedHumanGroupByMedicalStatus-DataPool**

174 Mode: always.
175 Source: user.
176 Choices: MULTIPLE_CONSTRAINED_CHOICE.
177 Values: list.
178 Annotates Pharmml Object: pmlo:PharmMLO_0000006.

179 **ps:model-HasAssociatedHumanGroupByMedicalStatus-DataPool**

180 Mode: always.
181 Source: user.
182 Choices: MULTIPLE_CONSTRAINED_CHOICE.
183 Values: list.
184 Annotates Non-PharmML: model.

185 **ps:modellingstep-modelrun-uses-software**

186 Mode: always.
187 Source: conditional.
188 Choices: MULTIPLE_CONSTRAINED_CHOICE.
189 Values: list.
190 Annotates Pharmml Object: pmlo:PharmMLO_0000007.

191 **ps:model-modelrun-uses-software**

192 Mode: always.
193 Source: conditional.
194 Choices: MULTIPLE_CONSTRAINED_CHOICE.
195 Values: list.
196 Annotates Non-PharmML: model.

197 **ps:model-HasAssumptions-freetext**

198 Mode: always.
199 Source: user.
200 Choices: SINGLE_UNCONSTRAINED_CHOICE.
201 Values: Text.
202 Annotates Pharmml Object: pmlo:PharmMLO_0000001.
203 Annotates Non-PharmML: model.

204 ps:trialdesign-HasAssociatedRouteOfAdministration-DataPool

205 Mode: conditional.
206 Source: user.
207 Choices: MULTIPLE_CONSTRAINED_CHOICE.
208 Values: tree.
209 Annotates Pharmml Object: pmlo:PharmMLO_0000006.

210 ps:model-HasAssociatedRouteOfAdministration-DataPool

211 Mode: conditional.
212 Source: user.
213 Choices: MULTIPLE_CONSTRAINED_CHOICE.
214 Values: tree.
215 Annotates Non-PharmML: model.

216 ps:trialdesign-HasAssociatedDoseRegimen-DataPool

217 Mode: conditional.
218 Source: user.
219 Choices: MULTIPLE_CONSTRAINED_CHOICE.
220 Values: list.
221 Annotates Pharmml Object: pmlo:PharmMLO_0000006.

222 ps:model-HasAssociatedDoseRegimen-DataPool

223 Mode: conditional.
224 Source: user.
225 Choices: MULTIPLE_CONSTRAINED_CHOICE.
226 Values: list.
227 Annotates Non-PharmML: model.

228 ps:trialdesign-HasAssociatedDoseAmount-DataPool

229 Mode: conditional.
230 Source: user.
231 Choices: MULTIPLE_CONSTRAINED_CHOICE.
232 Values: list.
233 Annotates Pharmml Object: pmlo:PharmMLO_0000006.

ps:model-HasAssociatedDoseAmount-DataPool

234

235   Mode: conditional.
236   Source: user.
237   Choices: MULTIPLE_CONSTRAINED_CHOICE.
238   Values: list.
239   Annotates Non-PharmML: model.

ps:trialdesign-HasAssociatedDoseFrequency-DataPool

240

241   Mode: conditional.
242   Source: user.
243   Choices: MULTIPLE_CONSTRAINED_CHOICE.
244   Values: list.
245   Annotates Pharmml Object: pmlo:PharmMLO_0000006.

ps:model-HasAssociatedDoseFrequency-DataPool

246

247   Mode: conditional.
248   Source: user.
249   Choices: MULTIPLE_CONSTRAINED_CHOICE.
250   Values: list.
251   Annotates Non-PharmML: model.

ps:trialdesign-observed-variables-are-real-freetext

252

253   Mode: always.
254   Source: user.
255   Choices: SINGLE_CONSTRAINED_CHOICE.
256   Values: TEXTLIST.
257   Annotates Pharmml Object: pmlo:PharmMLO_0000006.

ps:model-observed-variables-are-real-freetext

258

259   Mode: always.
260   Source: user.
261   Choices: SINGLE_CONSTRAINED_CHOICE.
262   Values: TEXTLIST.
263   Annotates Non-PharmML: model.

264 ps:trialdesign-HasAssociatedSamplingDesign-DataPool

265 Mode: always.

266 Source: user.

267 Choices: MULTIPLE_CONSTRAINED_CHOICE.

268 Values: list.

269 Annotates Pharmml Object: pmlo:PharmMLO_0000006.

270 ps:model-HasAssociatedSamplingDesign-DataPool

271 Mode: always.

272 Source: user.

273 Choices: MULTIPLE_CONSTRAINED_CHOICE.

274 Values: list.

275 Annotates Non-PharmML: model.

276 ps:trialdesign-HasAssociatedNumberOfSubjects-DataPool

277 Mode: always.

278 Source: user.

279 Choices: SINGLE_UNCONSTRAINED_CHOICE.

280 Values: Text.

281 Annotates Pharmml Object: pmlo:PharmMLO_0000001.

282 ps:model-HasAssociatedNumberOfSubjects-DataPool

283 Mode: always.

284 Source: user.

285 Choices: SINGLE_UNCONSTRAINED_CHOICE.

286 Values: Text.

287 Annotates Non-PharmML: model.

288 ps:trialdesign-HasAssociatedNumberOfModelledObservations-DataPool

289 Mode: always.

290 Source: user.

291 Choices: SINGLE_UNCONSTRAINED_CHOICE.

292 Values: Text.

293 Annotates Pharmml Object: pmlo:PharmMLO_0000001.

294 ps:model-HasAssociatedNumberOfModelledObservations-DataPool

295 Mode: always.

296 Source: user.

297 Choices: SINGLE_UNCONSTRAINED_CHOICE.

298 Values: Text.

299 Annotates Non-PharmML: model.

300 ps:modeldefinition-HasAssociatedInputType

301 Mode: always.

302 Source: user.

303 Choices: MULTIPLE_CONSTRAINED_CHOICE.

304 Values: tree.

305 Annotates Pharmml Object: pmlo:PharmMLO_0000013.

306 ps:modeldefinition-HasAssociatedAbsorptionDelayModelType

307 Mode: conditional.

308 Source: user.

309 Choices: MULTIPLE_CONSTRAINED_CHOICE.

310 Values: list.

311 Annotates Pharmml Object: pmlo:PharmMLO_0000013.

312 ps:modeldefinition-HasAssociatedAbsorptionRateType

313 Mode: conditional.

314 Source: user.

315 Choices: MULTIPLE_CONSTRAINED_CHOICE.

316 Values: list.

317 Annotates Pharmml Object: pmlo:PharmMLO_0000013.

318 ps:modeldefinition-HasAssociatedBioavailabilityType

319 Mode: conditional.

320 Source: user.

321 Choices: MULTIPLE_CONSTRAINED_CHOICE.

322 Values: tree.

323 Annotates Pharmml Object: pmlo:PharmMLO_0000013.

ps:modeldefinition-InputPresentsFormationFromOtherSubstance-string

Mode: conditional.

Source: user.

Choices: SINGLE_CONSTRAINED_CHOICE.

Values: Text.

Annotates Pharmml Object: pmlo:PharmMLO_0000013.

ps:modeldefinition-InputPresentsFormationFromOtherSubstanceType

Mode: conditional.

Source: user.

Choices: SINGLE_CONSTRAINED_CHOICE.

Values: list.

Annotates Pharmml Object: pmlo:PharmMLO_0000013.

ps:modeldefinition-InputPresentsFormationFromOtherSubstanceModelType

Mode: conditional.

Source: user.

Choices: MULTIPLE_CONSTRAINED_CHOICE.

Values: list.

Annotates Pharmml Object: pmlo:PharmMLO_0000013.

ps:model-HasAssociatedInputType

Mode: always.

Source: user.

Choices: MULTIPLE_CONSTRAINED_CHOICE.

Values: tree.

Annotates Non-PharmML: model.

ps:model-HasAssociatedAbsorptionDelayModelType

Mode: conditional.

Source: user.

Choices: MULTIPLE_CONSTRAINED_CHOICE.

Values: list.

Annotates Non-PharmML: model.

354 ps:model-HasAssociatedAbsorptionRateType

355   Mode: conditional.

356   Source: user.

357   Choices: MULTIPLE_CONSTRAINED_CHOICE.

358   Values: list.

359   Annotates Non-PharmML: model.

360 ps:model-HasAssociatedBioavailabilityType

361   Mode: conditional.

362   Source: user.

363   Choices: MULTIPLE_CONSTRAINED_CHOICE.

364   Values: tree.

365   Annotates Non-PharmML: model.

366 ps:model-InputPresentsFormationFromOtherSubstance-string

367   Mode: conditional.

368   Source: user.

369   Choices: SINGLE_CONSTRAINED_CHOICE.

370   Values: Text.

371   Annotates Non-PharmML: model.

372 ps:model-InputPresentsFormationFromOtherSubstanceType

373   Mode: conditional.

374   Source: user.

375   Choices: SINGLE_CONSTRAINED_CHOICE.

376   Values: list.

377   Annotates Non-PharmML: model.

378 ps:model-InputPresentsFormationFromOtherSubstanceModelType

379   Mode: conditional.

380   Source: user.

381   Choices: MULTIPLE_CONSTRAINED_CHOICE.

382   Values: list.

383   Annotates Non-PharmML: model.

384 ps:modeldefinition-HasAssociatedNumberOfModelledCompartments

385   Mode: conditional.
386   Source: user.
387   Choices: SINGLE_UNCONSTRAINED_CHOICE.
388   Values: Text.
389   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

390 ps:model-HasHassociatedNumberOfModelledCompartments

391   Mode: conditional.
392   Source: user.
393   Choices: SINGLE_UNCONSTRAINED_CHOICE.
394   Values: Text.
395   Annotates Non-PharmML: model.

396 ps:modeldefinition-HasAssociatedDistributionModellingAttribute-string

397   Mode: conditional.
398   Source: user.
399   Choices: SINGLE_UNCONSTRAINED_CHOICE.
400   Values: Text.
401   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

402 ps:model-HasAssociatedDistributionModellingAttribute-string

403   Mode: conditional.
404   Source: user.
405   Choices: SINGLE_UNCONSTRAINED_CHOICE.
406   Values: Text.
407   Annotates Non-PharmML: model.

408 ps:modeldefinition-HasAssociatedDistributionModellingAttribute-EnterohepaticRecyclin

409   Mode: conditional.
410   Source: user.
411   Choices: SINGLE_CONSTRAINED_CHOICE.
412   Values: list.
413   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

414 ps:modeldefinition-HasAssociatedDistributionModellingAttribute-NonLinearTransport

415   Mode: conditional.
416   Source: user.
417   Choices: SINGLE_CONSTRAINED_CHOICE.
418   Values: list.
419   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

420 ps:modeldefinition-HasAssociatedDistributionModellingAttribute-NonLinearProteinBind

421   Mode: conditional.
422   Source: user.
423   Choices: SINGLE_CONSTRAINED_CHOICE.
424   Values: list.
425   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

426 ps:model-HasAssociatedDistributionModellingAttribute-EnterohepaticRecycling

427   Mode: conditional.
428   Source: user.
429   Choices: SINGLE_CONSTRAINED_CHOICE.
430   Values: list.
431   Annotates Non-PharmML: model.

432 ps:model-HasAssociatedDistributionModellingAttribute-NonLinearTransport

433   Mode: conditional.
434   Source: user.
435   Choices: SINGLE_CONSTRAINED_CHOICE.
436   Values: list.
437   Annotates Non-PharmML: model.

438 ps:model-HasAssociatedDistributionModellingAttribute-NonLinearProteinBinding

439   Mode: conditional.
440   Source: user.
441   Choices: SINGLE_CONSTRAINED_CHOICE.
442   Values: list.
443   Annotates Non-PharmML: model.

444 **ps:modeldefinition-HasAssociatedEliminationModellingAttribute-CompartmentOfElimina**

445   Mode: conditional.

446   Source: user.

447   Choices: MULTIPLE_CONSTRAINED_CHOICE.

448   Values: list.

449   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

450 **ps:model-HasAssociatedEliminationModellingAttribute-CompartmentOfElimination**

451   Mode: conditional.

452   Source: user.

453   Choices: MULTIPLE_CONSTRAINED_CHOICE.

454   Values: list.

455   Annotates Non-PharmML: model.

456 **ps:modeldefinition-HasAssociatedEliminationModellingAttribute-TypeOfElimination**

457   Mode: conditional.

458   Source: user.

459   Choices: MULTIPLE_CONSTRAINED_CHOICE.

460   Values: tree.

461   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

462 **ps:model-HasAssociatedEliminationModellingAttribute-TypeOfElimination**

463   Mode: conditional.

464   Source: user.

465   Choices: MULTIPLE_CONSTRAINED_CHOICE.

466   Values: tree.

467   Annotates Non-PharmML: model.

468 **ps:modeldefinition-HasAssociatedModelledDrugFreeSystemType**

469   Mode: conditional.

470   Source: user.

471   Choices: MULTIPLE_CONSTRAINED_CHOICE.

472   Values: tree.

473   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

474 ps:model-HasAssociatedModelledDrugFreeSystemType

475   Mode: conditional.
476   Source: user.
477   Choices: MULTIPLE_CONSTRAINED_CHOICE.
478   Values: tree.
479   Annotates Non-PharmML: model.

480 ps:modeldefinition-HasDriverOfDrugEffectTypeAttribute

481   Mode: conditional.
482   Source: user.
483   Choices: MULTIPLE_CONSTRAINED_CHOICE.
484   Values: tree.
485   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

486 ps:modeldefinition-HasShapeOfDrugEffectTypeAttribute

487   Mode: conditional.
488   Source: user.
489   Choices: MULTIPLE_CONSTRAINED_CHOICE.
490   Values: list.
491   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

492 ps:modeldefinition-HasTemporalRelationBetweenDrugEffectAndResponseTypeAttribute

493   Mode: conditional.
494   Source: user.
495   Choices: MULTIPLE_CONSTRAINED_CHOICE.
496   Values: tree.
497   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

498 ps:modeldefinition-HasModelForResponseType

499   Mode: conditional.
500   Source: user.
501   Choices: MULTIPLE_CONSTRAINED_CHOICE.
502   Values: tree.
503   Annotates Pharmml Object: pmlo:PharmMLO_0000013.

504 ps:model-HasDriverOfDrugEffectTypeAttribute

505 Mode: conditional.

506 Source: user.

507 Choices: MULTIPLE_CONSTRAINED_CHOICE.

508 Values: tree.

509 Annotates Non-PharmML: model.

510 ps:model-HasShapeOfDrugEffectTypeAttribute

511 Mode: conditional.

512 Source: user.

513 Choices: MULTIPLE_CONSTRAINED_CHOICE.

514 Values: list.

515 Annotates Non-PharmML: model.

516 ps:model-HasTemporalRelationBetweenDrugEffectAndResponseTypeAttribute

517 Mode: conditional.

518 Source: user.

519 Choices: MULTIPLE_CONSTRAINED_CHOICE.

520 Values: tree.

521 Annotates Non-PharmML: model.

522 ps:model-HasModelForResponseType

523 Mode: conditional.

524 Source: user.

525 Choices: MULTIPLE_CONSTRAINED_CHOICE.

526 Values: tree.

527 Annotates Non-PharmML: model.

528 ps:trialdesign-HasStudiedSubstanceAtttibute

529 Mode: always.

530 Source: user.

531 Choices: MULTIPLE_CONSTRAINED_CHOICE.

532 Values: list.

533 Annotates Pharmml Object: pmlo:PharmMLO_0000006.

534 ps:model-HasStudiedSubstanceAttribute

535 Mode: always.

536 Source: user.

537 Choices: MULTIPLE_CONSTRAINED_CHOICE.

538 Values: list.

539 Annotates Non-PharmML: model.

540 ps:model-ChebiIdOfDrug1

541 Mode: conditional.

542 Source: user.

543 Choices: SINGLE_UNCONSTRAINED_CHOICE.

544 Values: Text.

545 Annotates Pharmml Object: pmlo:PharmMLO_0000001.

546 Annotates Non-PharmML: model.

547 ps:model-DrugBankIdOfDrug1

548 Mode: conditional.

549 Source: user.

550 Choices: SINGLE_UNCONSTRAINED_CHOICE.

551 Values: Text.

552 Annotates Pharmml Object: pmlo:PharmMLO_0000001.

553 Annotates Non-PharmML: model.

554 ps:model-NameOfDrug1-freetext

555 Mode: conditional.

556 Source: user.

557 Choices: SINGLE_UNCONSTRAINED_CHOICE.

558 Values: Text.

559 Annotates Pharmml Object: pmlo:PharmMLO_0000001.

560 Annotates Non-PharmML: model.

561 ps:model-TypeOfDrug1

562 Mode: conditional.

563 Source: user.

564 Choices: SINGLE_CONSTRAINED_CHOICE.

565 Values: list.

566 Annotates Pharmml Object: pmlo:PharmMLO_0000001.

567 Annotates Non-PharmML: model.

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568 ps:model-ChebiIdOfDrug2

569 Mode: conditional.

570 Source: user.

571 Choices: SINGLE_UNCONSTRAINED_CHOICE.

572 Values: Text.

573 Annotates Pharmml Object: pmlo:PharmMLO_0000001.

574 Annotates Non-PharmML: model.

575 ps:model-DrugBankIdOfDrug2

576 Mode: conditional.

577 Source: user.

578 Choices: SINGLE_UNCONSTRAINED_CHOICE.

579 Values: Text.

580 Annotates Pharmml Object: pmlo:PharmMLO_0000001.

581 Annotates Non-PharmML: model.

582 ps:model-NameOfDrug2-freetext

583 Mode: conditional.

584 Source: user.

585 Choices: SINGLE_UNCONSTRAINED_CHOICE.

586 Values: Text.

587 Annotates Pharmml Object: pmlo:PharmMLO_0000001.

588 Annotates Non-PharmML: model.

589 ps:model-TypeOfDrug2

590 Mode: conditional.

591 Source: user.

592 Choices: SINGLE_CONSTRAINED_CHOICE.

593 Values: list.

594 Annotates Pharmml Object: pmlo:PharmMLO_0000001.

595 Annotates Non-PharmML: model.

596 ps:model-ChebiIdOfDrug3

597 Mode: conditional.

598 Source: user.

599 Choices: SINGLE_UNCONSTRAINED_CHOICE.

600 Values: Text.

601   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
602   Annotates Non-PharmML: model.

ps:model-DrugBankIdOfDrug3

604   Mode: conditional.
605   Source: user.
606   Choices: SINGLE_UNCONSTRAINED_CHOICE.
607   Values: Text.
608   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
609   Annotates Non-PharmML: model.

ps:model-NameOfDrug3-freetext

611   Mode: conditional.
612   Source: user.
613   Choices: SINGLE_UNCONSTRAINED_CHOICE.
614   Values: Text.
615   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
616   Annotates Non-PharmML: model.

ps:model-TypeOfDrug3

618   Mode: conditional.
619   Source: user.
620   Choices: SINGLE_CONSTRAINED_CHOICE.
621   Values: list.
622   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
623   Annotates Non-PharmML: model.

ps:model-ChebiIdOfDrug4

625   Mode: conditional.
626   Source: user.
627   Choices: SINGLE_UNCONSTRAINED_CHOICE.
628   Values: Text.
629   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
630   Annotates Non-PharmML: model.

ps:model-DrugBankIdOfDrug4

632   Mode: conditional.

633   Source: user.

634   Choices: SINGLE_UNCONSTRAINED_CHOICE.

635   Values: Text.

636   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

637   Annotates Non-PharmML: model.

ps:model-NameOfDrug4-freetext

639   Mode: conditional.

640   Source: user.

641   Choices: SINGLE_UNCONSTRAINED_CHOICE.

642   Values: Text.

643   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

644   Annotates Non-PharmML: model.

ps:model-TypeOfDrug4

646   Mode: conditional.

647   Source: user.

648   Choices: SINGLE_CONSTRAINED_CHOICE.

649   Values: list.

650   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

651   Annotates Non-PharmML: model.

ps:model-ChebiIdOfDrug5

653   Mode: conditional.

654   Source: user.

655   Choices: SINGLE_UNCONSTRAINED_CHOICE.

656   Values: Text.

657   Annotates Non-PharmML: model.

ps:model-DrugBankIdOfDrug5

659   Mode: conditional.

660   Source: user.

661   Choices: SINGLE_UNCONSTRAINED_CHOICE.

662   Values: Text.

663   Annotates Non-PharmML: model.

664 ps:model-NameOfDrug5-freetext

665 Mode: conditional.

666 Source: user.

667 Choices: SINGLE_UNCONSTRAINED_CHOICE.

668 Values: Text.

669 Annotates Non-PharmML: model.

670 ps:model-TypeOfDrug5

671 Mode: conditional.

672 Source: user.

673 Choices: SINGLE_CONSTRAINED_CHOICE.

674 Values: list.

675 Annotates Non-PharmML: model.

676 ps:trialdesign-hasListOfInteractingDrugs-freetext

677 Mode: conditional.

678 Source: user.

679 Choices: SINGLE_UNCONSTRAINED_CHOICE.

680 Values: text.

681 Annotates Pharmml Object: pmlo:PharmMLO_0000006.

682 ps:trialdesign-hasInteractorByNickname-freetext

683 Mode: conditional.

684 Source: user.

685 Choices: SINGLE_CONSTRAINED_CHOICE.

686 Values: TEXTLIST.

687 Annotates Pharmml Object: pmlo:PharmMLO_0000006.

688 ps:trialdesign-hasInteracteeByNickname-freetext

689 Mode: conditional.

690 Source: user.

691 Choices: SINGLE_CONSTRAINED_CHOICE.

692 Values: TEXTLIST.

693 Annotates Pharmml Object: pmlo:PharmMLO_0000006.

694 ps:trialdesign-hasTypeOfModelComponentImpacted

695 Mode: conditional.
696 Source: user.
697 Choices: MULTIPLE_CONSTRAINED_CHOICE.
698 Values: tree.
699 Annotates Pharmml Object: pmlo:PharmMLO_0000006.

700 ps:model-hasListOfInteractingDrugs-freetext

701 Mode: conditional.
702 Source: user.
703 Choices: SINGLE_UNCONSTRAINED_CHOICE.
704 Values: text.
705 Annotates Non-PharmML: model.

706 ps:model-hasInteractorByNickname-freetext

707 Mode: conditional.
708 Source: user.
709 Choices: SINGLE_CONSTRAINED_CHOICE.
710 Values: TEXTLIST.
711 Annotates Non-PharmML: model.

712 ps:model-hasInteracteeByNickname-freetext

713 Mode: conditional.
714 Source: user.
715 Choices: SINGLE_CONSTRAINED_CHOICE.
716 Values: TEXTLIST.
717 Annotates Non-PharmML: model.

718 ps:model-hasTypeOfModelComponentImpacted

719 Mode: conditional.
720 Source: user.
721 Choices: MULTIPLE_CONSTRAINED_CHOICE.
722 Values: tree.
723 Annotates Non-PharmML: model.

ps:model-hasDoseAmountMin-Drug1

724

725   Mode: conditional.

726   Source: user.

727   Choices: SINGLE_UNCONSTRAINED_CHOICE.

728   Values: Text.

729   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

730   Annotates Non-PharmML: model.

ps:model-hasDoseAmountMax-Drug1

731

732   Mode: conditional.

733   Source: user.

734   Choices: SINGLE_UNCONSTRAINED_CHOICE.

735   Values: Text.

736   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

737   Annotates Non-PharmML: model.

ps:model-hasDoseAmountUnit-Drug1

738

739   Mode: conditional.

740   Source: user.

741   Choices: SINGLE_CONSTRAINED_CHOICE.

742   Values: list.

743   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

744   Annotates Non-PharmML: model.

ps:model-hasDoseAmountMin-Drug2

745

746   Mode: conditional.

747   Source: user.

748   Choices: SINGLE_UNCONSTRAINED_CHOICE.

749   Values: Text.

750   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

751   Annotates Non-PharmML: model.

ps:model-hasDoseAmountMax-Drug2

752

753   Mode: conditional.

754   Source: user.

755   Choices: SINGLE_UNCONSTRAINED_CHOICE.

756   Values: Text.

757   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

758   Annotates Non-PharmML: model.

ps:model-hasDoseAmountUnit-Drug2

760   Mode: conditional.

761   Source: user.

762   Choices: SINGLE_CONSTRAINED_CHOICE.

763   Values: list.

764   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

765   Annotates Non-PharmML: model.

ps:model-hasDoseAmountMin-Drug3

767   Mode: conditional.

768   Source: user.

769   Choices: SINGLE_UNCONSTRAINED_CHOICE.

770   Values: Text.

771   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

772   Annotates Non-PharmML: model.

ps:model-hasDoseAmountMax-Drug3

774   Mode: conditional.

775   Source: user.

776   Choices: SINGLE_UNCONSTRAINED_CHOICE.

777   Values: Text.

778   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

779   Annotates Non-PharmML: model.

ps:model-hasDoseAmountUnit-Drug3

781   Mode: conditional.

782   Source: user.

783   Choices: SINGLE_CONSTRAINED_CHOICE.

784   Values: list.

785   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

786   Annotates Non-PharmML: model.

ps:model-hasDoseAmountMin-Drug4

787

788   Mode: conditional.
789   Source: user.
790   Choices: SINGLE_UNCONSTRAINED_CHOICE.
791   Values: Text.
792   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
793   Annotates Non-PharmML: model.

ps:model-hasDoseAmountMax-Drug4

794

795   Mode: conditional.
796   Source: user.
797   Choices: SINGLE_UNCONSTRAINED_CHOICE.
798   Values: Text.
799   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
800   Annotates Non-PharmML: model.

ps:model-hasDoseAmountUnit-Drug4

801

802   Mode: conditional.
803   Source: user.
804   Choices: SINGLE_CONSTRAINED_CHOICE.
805   Values: list.
806   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
807   Annotates Non-PharmML: model.

ps:model-hasDoseAmountMin-Drug5

808

809   Mode: conditional.
810   Source: user.
811   Choices: SINGLE_UNCONSTRAINED_CHOICE.
812   Values: Text.
813   Annotates Pharmml Object: pmlo:PharmMLO_0000001.
814   Annotates Non-PharmML: model.

ps:model-hasDoseAmountMax-Drug5

815

816   Mode: conditional.
817   Source: user.
818   Choices: SINGLE_UNCONSTRAINED_CHOICE.
819   Values: Text.

820   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

821   Annotates Non-PharmML: model.

822 ps:model-hasDoseAmountUnit-Drug5

823   Mode: conditional.

824   Source: user.

825   Choices: SINGLE_CONSTRAINED_CHOICE.

826   Values: list.

827   Annotates Pharmml Object: pmlo:PharmMLO_0000001.

828   Annotates Non-PharmML: model.

829 ps:structuralmodel-HasComponentType

830   Mode: always.

831   Source: user.

832   Choices: MULTIPLE_CONSTRAINED_CHOICE.

833   Values: list.

834   Annotates Pharmml Object: pmlo:PharmMLO_0000010.

835 ps:model-HasComponentType

836   Mode: always.

837   Source: user.

838   Choices: MULTIPLE_CONSTRAINED_CHOICE.

839   Values: list.

840   Annotates Non-PharmML: model.

841 ps:model-OVLinksToDrug-OV1

842   Mode: conditional.

843   Source: user.

844   Choices: SINGLE_CONSTRAINED_CHOICE.

845   Values: TEXTLIST.

846   Annotates Non-PharmML: model.

847 ps:model-OVHasNature-OV1

848   Mode: conditional.

849   Source: user.

850   Choices: SINGLE_CONSTRAINED_CHOICE.

851   Values: list.

852   Annotates Non-PharmML: model.

853 ps:model-OVHasUnits-OV1

854 Mode: conditional.

855 Source: user.

856 Choices: SINGLE_CONSTRAINED_CHOICE.

857 Values: tree.

858 Annotates Non-PharmML: model.

859 ps:model-OVHasMatrixType-OV1

860 Mode: conditional.

861 Source: user.

862 Choices: SINGLE_CONSTRAINED_CHOICE.

863 Values: list.

864 Annotates Non-PharmML: model.

865 ps:model-OVHasTypeOfObservedVariable-OV1

866 Mode: conditional.

867 Source: user.

868 Choices: MULTIPLE_CONSTRAINED_CHOICE.

869 Values: tree.

870 Annotates Non-PharmML: model.

871 ps:model-OVLinksToDrug-OV2

872 Mode: conditional.

873 Source: user.

874 Choices: SINGLE_CONSTRAINED_CHOICE.

875 Values: TEXTLIST.

876 Annotates Non-PharmML: model.

877 ps:model-OVHasNature-OV2

878 Mode: conditional.

879 Source: user.

880 Choices: SINGLE_CONSTRAINED_CHOICE.

881 Values: list.

882 Annotates Non-PharmML: model.

883 ps:model-OVHasUnits-OV2

884 Mode: conditional.

885 Source: user.

886 Choices: SINGLE_CONSTRAINED_CHOICE.

887 Values: tree.

888 Annotates Non-PharmML: model.

889 ps:model-OVHasMatrixType-OV2

890 Mode: conditional.

891 Source: user.

892 Choices: SINGLE_CONSTRAINED_CHOICE.

893 Values: list.

894 Annotates Non-PharmML: model.

895 ps:model-OVHasTypeOfObservedVariable-OV2

896 Mode: conditional.

897 Source: user.

898 Choices: MULTIPLE_CONSTRAINED_CHOICE.

899 Values: tree.

900 Annotates Non-PharmML: model.

901 ps:model-OVLinksToDrug-OV3

902 Mode: conditional.

903 Source: user.

904 Choices: SINGLE_CONSTRAINED_CHOICE.

905 Values: TEXTLIST.

906 Annotates Non-PharmML: model.

907 ps:model-OVHasNature-OV3

908 Mode: conditional.

909 Source: user.

910 Choices: SINGLE_CONSTRAINED_CHOICE.

911 Values: list.

912 Annotates Non-PharmML: model.

ps:model-OVHasUnits-OV3

914 Mode: conditional.
915 Source: user.
916 Choices: SINGLE_CONSTRAINED_CHOICE.
917 Values: tree.
918 Annotates Non-PharmML: model.

ps:model-OVHasMatrixType-OV3

920 Mode: conditional.
921 Source: user.
922 Choices: SINGLE_CONSTRAINED_CHOICE.
923 Values: list.
924 Annotates Non-PharmML: model.

ps:model-OVHasTypeOfObservedVariable-OV3

926 Mode: conditional.
927 Source: user.
928 Choices: MULTIPLE_CONSTRAINED_CHOICE.
929 Values: tree.
930 Annotates Non-PharmML: model.

ps:model-OVLinksToDrug-OV4

932 Mode: conditional.
933 Source: user.
934 Choices: SINGLE_CONSTRAINED_CHOICE.
935 Values: TEXTLIST.
936 Annotates Non-PharmML: model.

ps:model-OVHasNature-OV4

938 Mode: conditional.
939 Source: user.
940 Choices: SINGLE_CONSTRAINED_CHOICE.
941 Values: list.
942 Annotates Non-PharmML: model.

943 ps:model-OVHasUnits-OV4

944 Mode: conditional.

945 Source: user.

946 Choices: SINGLE_CONSTRAINED_CHOICE.

947 Values: tree.

948 Annotates Non-PharmML: model.

949 ps:model-OVHasMatrixType-OV4

950 Mode: conditional.

951 Source: user.

952 Choices: SINGLE_CONSTRAINED_CHOICE.

953 Values: list.

954 Annotates Non-PharmML: model.

955 ps:model-OVHasTypeOfObservedVariable-OV4

956 Mode: conditional.

957 Source: user.

958 Choices: MULTIPLE_CONSTRAINED_CHOICE.

959 Values: tree.

960 Annotates Non-PharmML: model.

961 ps:model-OVLinksToDrug-OV5

962 Mode: conditional.

963 Source: user.

964 Choices: SINGLE_CONSTRAINED_CHOICE.

965 Values: TEXTLIST.

966 Annotates Non-PharmML: model.

967 ps:model-OVHasNature-OV5

968 Mode: conditional.

969 Source: user.

970 Choices: SINGLE_CONSTRAINED_CHOICE.

971 Values: list.

972 Annotates Non-PharmML: model.

ps:model-OVHasUnits-OV5

Mode: conditional.
Source: user.
Choices: SINGLE_CONSTRAINED_CHOICE.
Values: tree.
Annotates Non-PharmML: model.

ps:model-OVHasMatrixType-OV5

Mode: conditional.
Source: user.
Choices: SINGLE_CONSTRAINED_CHOICE.
Values: list.
Annotates Non-PharmML: model.

ps:model-OVHasTypeOfObservedVariable-OV5

Mode: conditional.
Source: user.
Choices: MULTIPLE_CONSTRAINED_CHOICE.
Values: tree.
Annotates Non-PharmML: model.

ps:drug-hasDoseAmountMin-Drug1

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-hasDoseAmountMax-Drug1

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-hasDoseAmountUnit-Drug1

Mode: conditional.
Source: user.
Choices: SINGLE_CONSTRAINED_CHOICE.
Values: list.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-hasDoseAmountMin-Drug2

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-hasDoseAmountMax-Drug2

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-hasDoseAmountUnit-Drug2

Mode: conditional.
Source: user.
Choices: SINGLE_CONSTRAINED_CHOICE.
Values: list.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-hasDoseAmountMin-Drug3

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-hasDoseAmountMax-Drug3

1034 Mode: conditional.
1035 Source: user.
1036 Choices: SINGLE_UNCONSTRAINED_CHOICE.
1037 Values: Text.
1038 Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-hasDoseAmountUnit-Drug3

1040 Mode: conditional.
1041 Source: user.
1042 Choices: SINGLE_CONSTRAINED_CHOICE.
1043 Values: list.
1044 Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-hasDoseAmountMin-Drug4

1046 Mode: conditional.
1047 Source: user.
1048 Choices: SINGLE_UNCONSTRAINED_CHOICE.
1049 Values: Text.
1050 Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-hasDoseAmountMax-Drug4

1052 Mode: conditional.
1053 Source: user.
1054 Choices: SINGLE_UNCONSTRAINED_CHOICE.
1055 Values: Text.
1056 Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-hasDoseAmountUnit-Drug4

1058 Mode: conditional.
1059 Source: user.
1060 Choices: SINGLE_CONSTRAINED_CHOICE.
1061 Values: list.
1062 Annotates Pharmml Object: pkpd:PKPD_0007172.

1063 ps:drug-hasDoseAmountMin-Drug5

1064   Mode: conditional.
1065   Source: user.
1066   Choices: SINGLE_UNCONSTRAINED_CHOICE.
1067   Values: Text.
1068   Annotates Pharmml Object: pkpd:PKPD_0007172.

1069 ps:drug-hasDoseAmountMax-Drug5

1070   Mode: conditional.
1071   Source: user.
1072   Choices: SINGLE_UNCONSTRAINED_CHOICE.
1073   Values: Text.
1074   Annotates Pharmml Object: pkpd:PKPD_0007172.

1075 ps:drug-hasDoseAmountUnit-Drug5

1076   Mode: conditional.
1077   Source: user.
1078   Choices: SINGLE_CONSTRAINED_CHOICE.
1079   Values: list.
1080   Annotates Pharmml Object: pkpd:PKPD_0007172.

1081 ps:drug-ChebiIdOfDrug1

1082   Mode: conditional.
1083   Source: user.
1084   Choices: SINGLE_UNCONSTRAINED_CHOICE.
1085   Values: Text.
1086   Annotates Pharmml Object: pkpd:PKPD_0007172.

1087 ps:drug-DrugBankIdOfDrug1

1088   Mode: conditional.
1089   Source: user.
1090   Choices: SINGLE_UNCONSTRAINED_CHOICE.
1091   Values: Text.
1092   Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-NameOfDrug1-freetext

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-TypeOfDrug1

Mode: conditional.
Source: user.
Choices: SINGLE_CONSTRAINED_CHOICE.
Values: list.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-ChebiIdOfDrug2

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-DrugBankIdOfDrug2

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-NameOfDrug2-freetext

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-TypeOfDrug2

1124   Mode: conditional.
1125   Source: user.
1126   Choices: SINGLE_CONSTRAINED_CHOICE.
1127   Values: list.
1128   Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-ChebiIdOfDrug3

1130   Mode: conditional.
1131   Source: user.
1132   Choices: SINGLE_UNCONSTRAINED_CHOICE.
1133   Values: Text.
1134   Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-DrugBankIdOfDrug3

1136   Mode: conditional.
1137   Source: user.
1138   Choices: SINGLE_UNCONSTRAINED_CHOICE.
1139   Values: Text.
1140   Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-NameOfDrug3-freetext

1142   Mode: conditional.
1143   Source: user.
1144   Choices: SINGLE_UNCONSTRAINED_CHOICE.
1145   Values: Text.
1146   Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-TypeOfDrug3

1148   Mode: conditional.
1149   Source: user.
1150   Choices: SINGLE_CONSTRAINED_CHOICE.
1151   Values: list.
1152   Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-ChebiIdOfDrug4

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-DrugBankIdOfDrug4

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-NameOfDrug4-freetext

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-TypeOfDrug4

Mode: conditional.
Source: user.
Choices: SINGLE_CONSTRAINED_CHOICE.
Values: list.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-ChebiIdOfDrug5

Mode: conditional.
Source: user.
Choices: SINGLE_UNCONSTRAINED_CHOICE.
Values: Text.
Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-DrugBankIdOfDrug5

1184 Mode: conditional.

1185 Source: user.

1186 Choices: SINGLE_UNCONSTRAINED_CHOICE.

1187 Values: Text.

1188 Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-NameOfDrug5-freetext

1190 Mode: conditional.

1191 Source: user.

1192 Choices: SINGLE_UNCONSTRAINED_CHOICE.

1193 Values: Text.

1194 Annotates Pharmml Object: pkpd:PKPD_0007172.

ps:drug-TypeOfDrug5

1196 Mode: conditional.

1197 Source: user.

1198 Choices: SINGLE_CONSTRAINED_CHOICE.

1199 Values: list.

1200 Annotates Pharmml Object: pkpd:PKPD_0007172.