Subsites

TABLE subsite INTEGER PRIMARY KEY subsite_id INTEGER subsite_target ■ TEXT subsite_name TEXT subsite_metadata

TABLE subsite_tag INTEGER PRIMARY KEY subsite_taq_id

INTEGER subsite_tag_ref TEXT subsite_tag_metadata

Protein

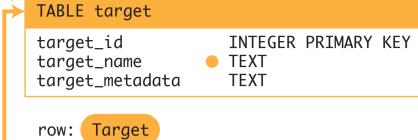


TABLE feature

INTEGER PRIMARY KEY feature_id TEXT feature family INTEGER feature_target feature_chain_name TEXT TEXT feature_residue_name INTEGER feature residue number → TEXT feature atom names

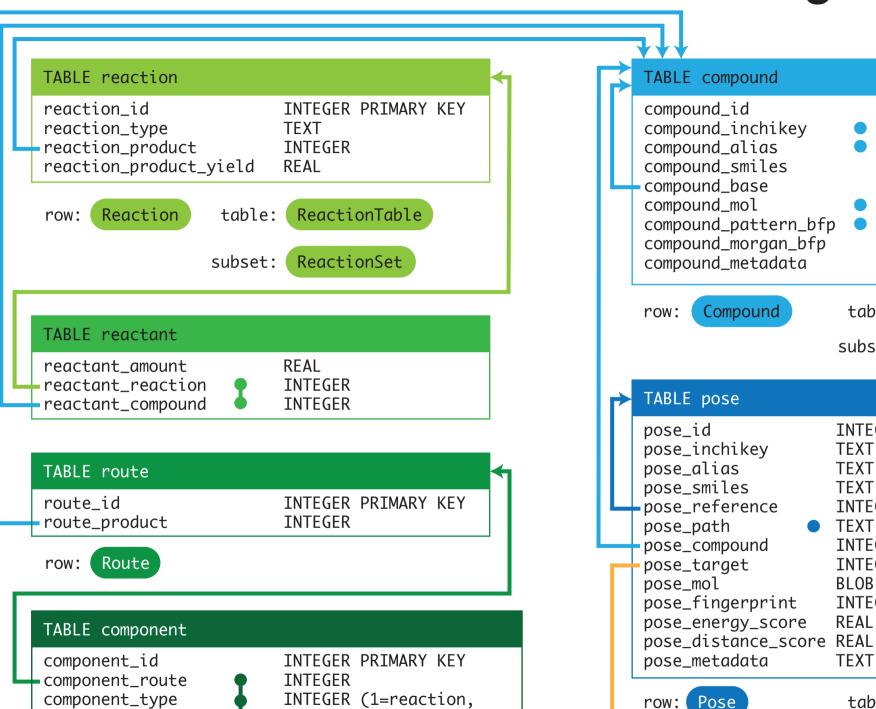
row: Feature

subset: FeatureSet

Interactions

TABLE interaction INTEGER PRIMARY KEY interaction id interaction feature INTEGER interaction_pose **♦** TEXT interaction_type **♦** TEXT interaction_family TEXT interaction_atom_ids TEXT interaction_prot_coord interaction_lig_coord TEXT interaction_distance REAL REAL interaction_anale REAL interaction_energy

Reactions



INTEGER

REAL

component_ref

component_amount

2=reactant,

3=intermediate)

Ligands

TEXT

TEXT

TEXT

MOL

TEXT

INTEGER

bits(2048)

bits(1024)

table: CompoundTable

subset: CompoundSet

INTEGER PRIMARY KEY

table: PoseTable

subset: PoseSet

TEXT

TEXT

TEXT

TEXT

INTEGER

INTEGER

INTEGER

INTEGER

BLOB

TEXT

INTEGER PRIMARY KFY

Procurement

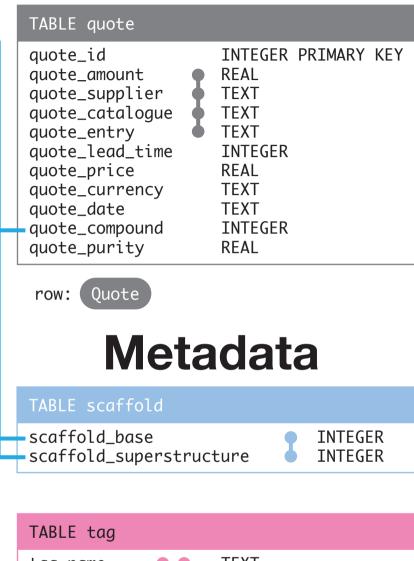




table: TagTable subset: TagSet

TABLE inspiration

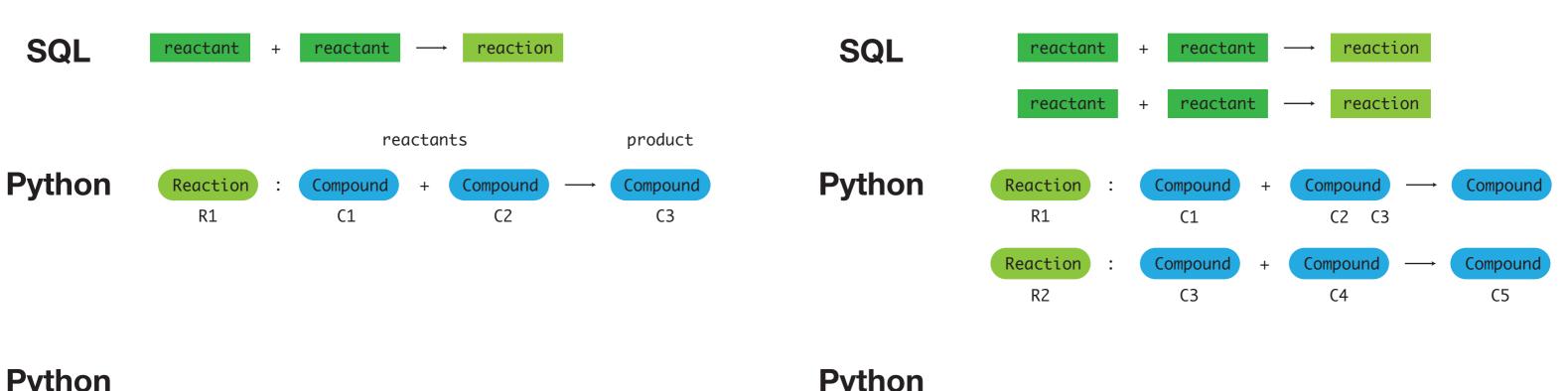
inspiration_original INTEGER inspiration_derivative 🌢 INTEGER

Single-Step Synthetis

Two-Step Synthesis

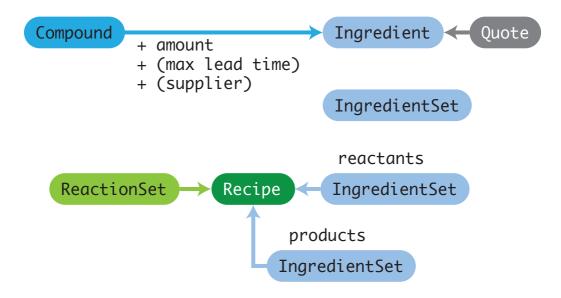
Ingredient

x mg of C3





Derived Classes



Protein

TargetModel

BigAuto(PK) id Char [60] metadata JSON

QuerySet: TargetSet

Table: TargetTable

FeatureModel

id family target chain_name residue_name residue_number

BigAuto(PK) Char[30]

ForeignKey(Target) Char[5]

Char[107

PositiveSmallInteger JSON

SubsiteModel

atom_names

id BigAuto(PK) • Char[30] name

target • ForeignKey(Target)

metadata

M2M(Pose, SubsiteMember) poses

SubsiteMember

id BigAuto(PK) subsite **ForeignKey(Subsite)** ForeignKey(Pose) pose atom ids JSON metadata JSON

Interactions

InteractionModel

id BigAuto(PK) ForeignKey(Feature) feature ForeignKey(Pose) pose Char[30] type Char [30] family atom_ids **JSON JSON** prot_coord **JSON** lig_coord REAL distance REAL angle **REAL** energy

Ligands

CompoundModel

id BigAuto(PK) • Char[27] inchikev • Char [60] alias smiles Char [90] mol Generated(Mol) pattern_bfp Generated(Binary) metadata M2M(self, "elaborations") scaffolds M2M(Tag, "compounds") tags

QuerySet: CompoundSet

Table: CompoundTable

PoseModel

BigAuto(PK) id inchikev Char[27] Char [60] alias smiles Char [90] reference ForeignKey(Pose) • FilePath[200] path ForeignKey(Compound)
ForeignKey(Target) compound target mol Boolean fingerprinted Float energy_score distance_score Float metadata **JSON** M2M(self, "derivatives") inspirations M2M(Tag, "poses") tags

Model: Pose QuerySet: PoseSet

Table: PoseTable

Reactions

ReactionModel

id BigAuto(PK) Char [60] type

ForeignKey(Compound) product

product_yield Float

ReactantModel

BigAuto(PK) id Float amount ForeignKey(Reaction)
ForeignKey(Compound)
ForeignKey(Solvent) reaction compound solvent

SolventModel

BigAuto(PK) id Char [30] name metadata JSON

Metadata

TagModel

id BigAuto(PK) Char [60] name

QuoteModel

BigAuto(PK) id Float amount Char [60] supplier catalogue Char [90] entry Char[60] lead_time Float Decimal(8.2) price Char[3] currency date

Date

ForeignKey(Compound) compound purity Float