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

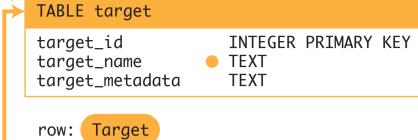


TABLE feature

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

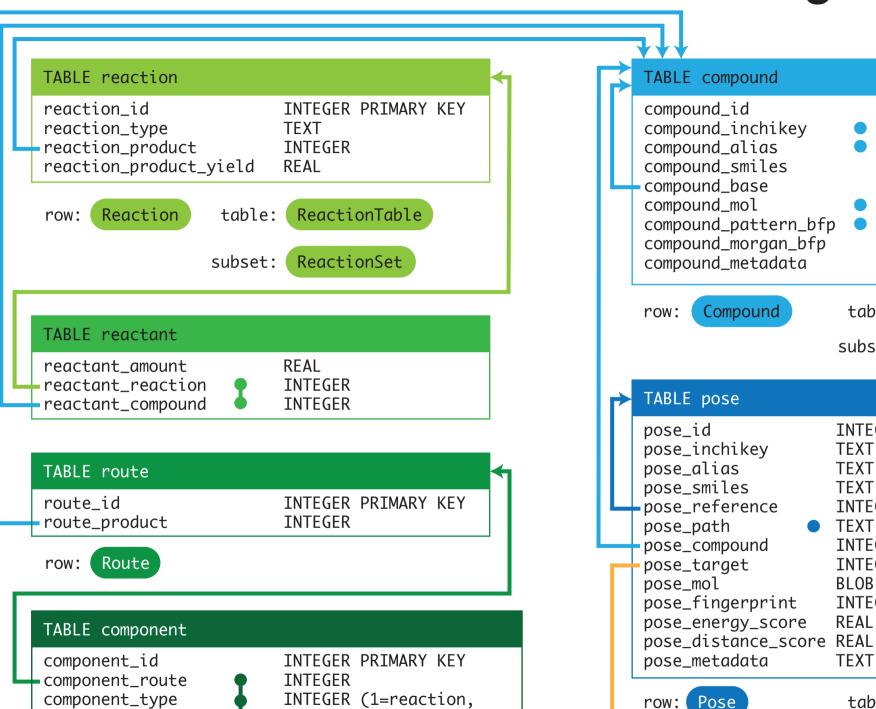
row: Feature

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

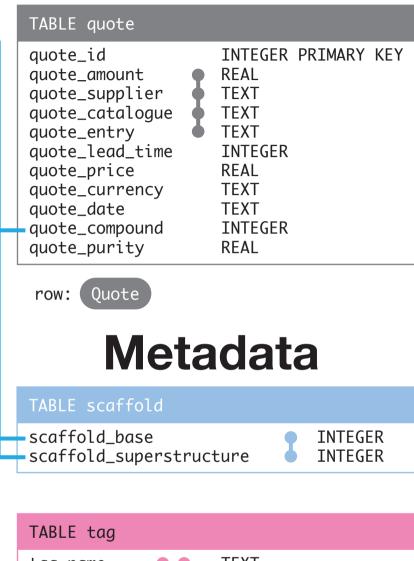




table: TagTable subset: TagSet

TABLE inspiration

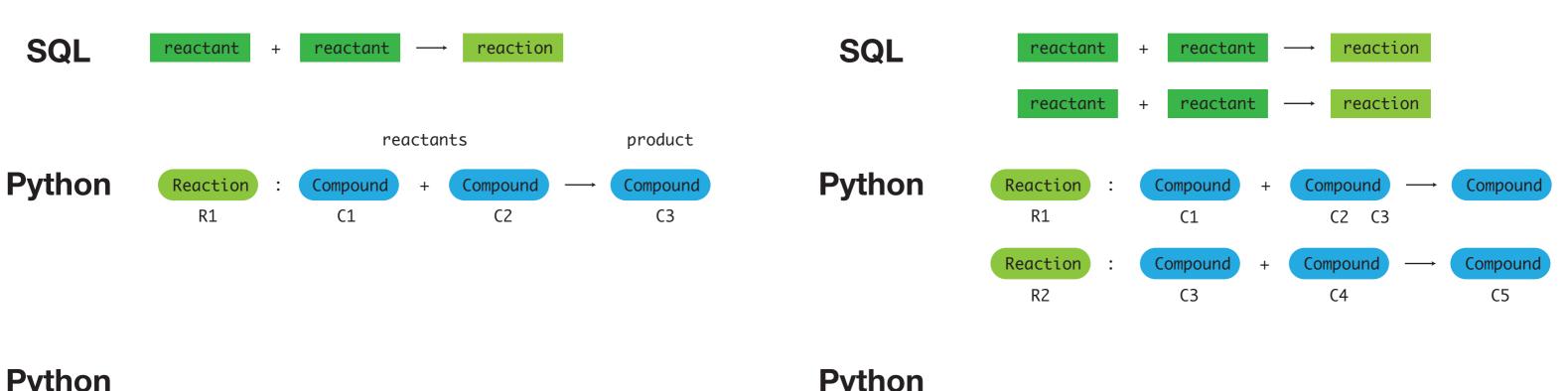
inspiration_original INTEGER inspiration_derivative 🌢 INTEGER

Single-Step Synthetis

Two-Step Synthesis

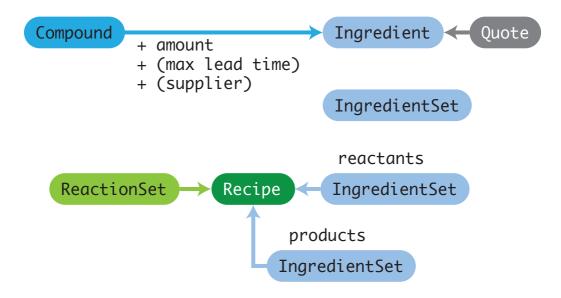
Ingredient

x mg of C3





Derived Classes



Protein

TargetModel

id BigAuto(PK)
name Char[60]
metadata JSON

Model: Target QuerySet: TargetSet

Table: TargetTable

FeatureModel

id
family
target
chain_name
residue_name
residue_number
atom_names
BigAuto(PK)
Char[30]
ForeignKey(Target)
Char[5]
Char[10]
PositiveSmallInteger
JSON

Model: Feature

SubsiteModel

id BigAuto(PK)
target ForeignKey(Target)
name Char[30]
metadata
poses M2M(Pose, SubsiteMember)

Model: Subsite Model: SubsiteSet

SubsiteMember

id BigAuto(PK)
subsite pose ForeignKey(Subsite)
atom_ids JSON
metadata JSON

Model: SubsiteMember

Interactions

${\bf Interaction Model}$

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

Model: Interaction

Ligands

CompoundModel

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

Model: Compound QuerySet: CompoundSet

Table: CompoundTable

PoseModel

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

Model: Pose QuerySet: PoseSet

Table: PoseTable

Reactions

ReactionModel

id BigAuto(PK)
type Char[60]
product ForeignKey(Compound)
product_yield Float

Model: Reaction

ReactantModel

id
amount
reaction
compound
solvent

BigAuto(PK)
Float
ForeignKey(Reaction)
ForeignKey(Compound)
ForeignKey(Solvent)

Model: Reactant

<u>Sol</u>ventModel

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

Model: Solvent

Metadata

TagModel

id BigAuto(PK) name Char[60]

Model: Tag

QuoteModel

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

Model: Quote