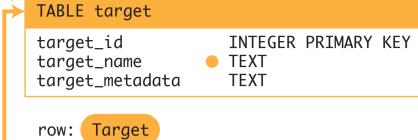
# **Subsites**

#### 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

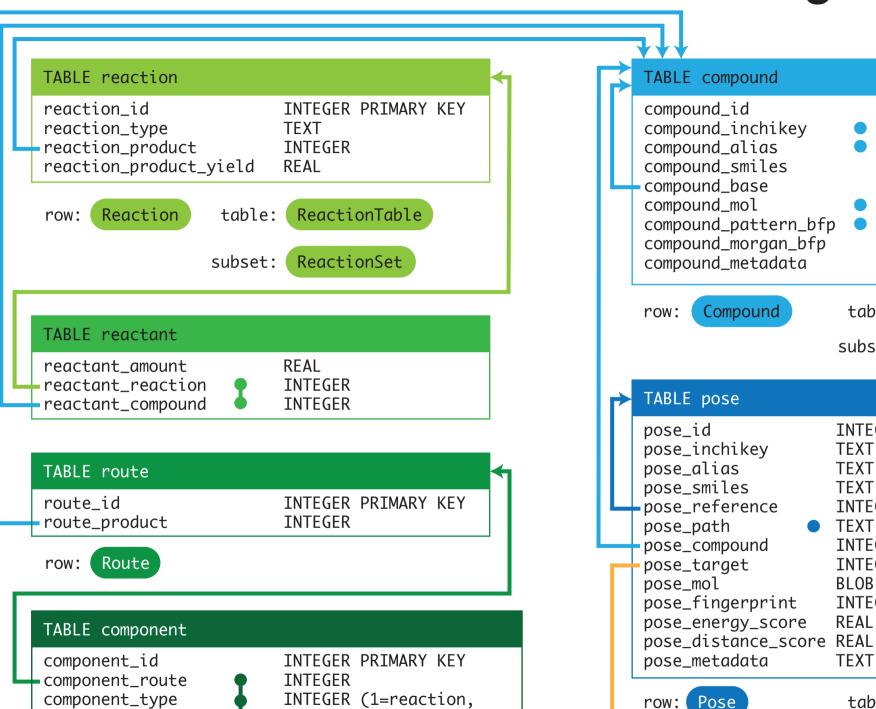
### row: Feature

### 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**

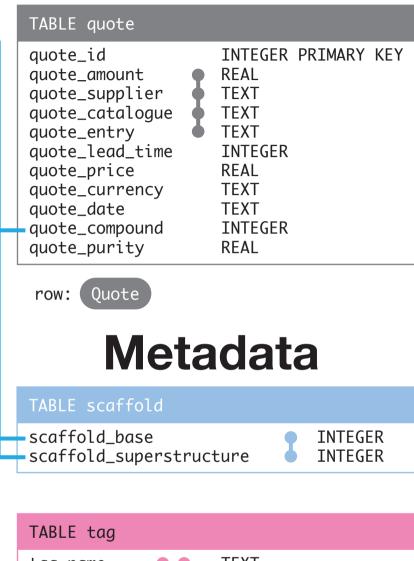




table: TagTable subset: TagSet

### TABLE inspiration

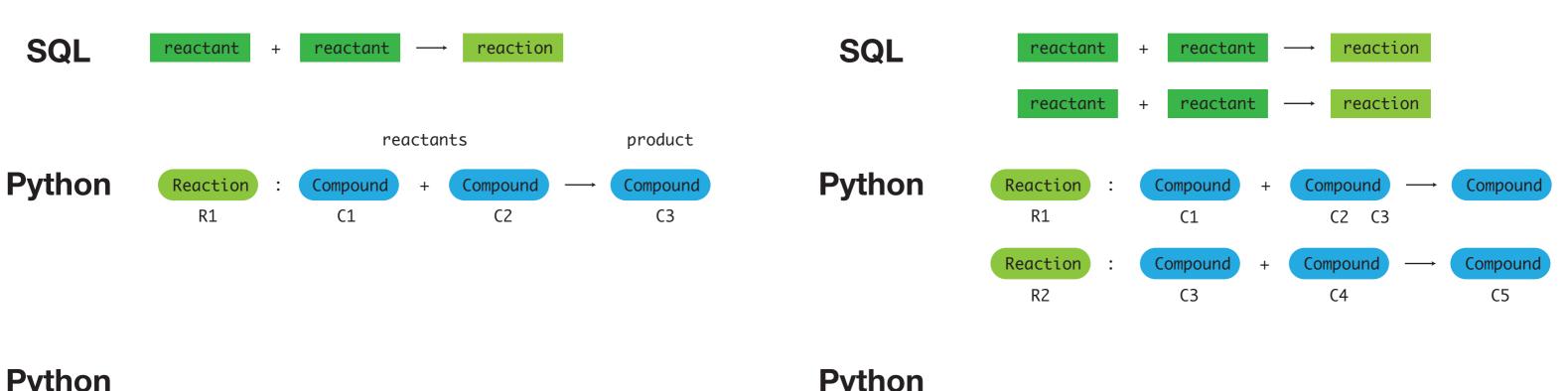
inspiration\_original INTEGER inspiration\_derivative 🌢 INTEGER

# **Single-Step Synthetis**

# **Two-Step Synthesis**

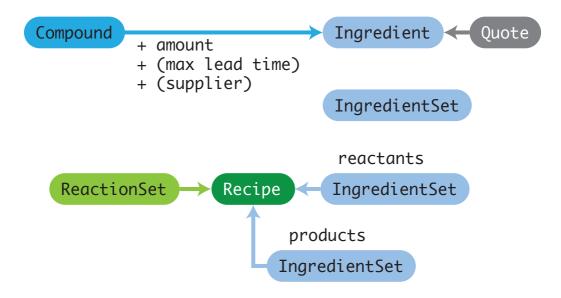
Ingredient

x mg of C3





### **Derived Classes**



### **Protein**

#### TargetModel BiaAuto(PK) Char Γ60 1 name metadata JSON

#### FeatureModel

id family target chain name residue\_name residue\_number JSON atom names

BigAuto(PK) Char[30] ForeignKey(Target) Char [5] Char [10] PositiveSmallInteger

#### SubsiteModel BigAuto(PK) id ForeignKey(Target) Char [30] name

JSON 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) feature ForeignKey(Feature) ForeignKey(Pose) pose Char[30] type Char [30] family **JSON** atom\_ids **JSON** prot\_coord lig\_coord **JSON** REAL distance REAL anale REAL energy

# Ligands

#### CompoundModel BigAuto(PK) id inchikev Char [27] alias Char [60] smiles Char [90] mol Generated(Mol) pattern\_bfp Generated(Binary) metadata JSON scaffolds M2M(self, "elaborations") M2M(Tag, "compounds") taas

#### PoseModel id BigAuto(PK) inchikev Char [27] alias Char [60] smiles Char [90] ForeignKey(Pose) • FilePath[200] reference path ForeignKey(Compound) compound ForeignKey(Target) taraet mol fingerprinted Boolean energy\_score Float distance\_score Float metadata M2M(self, "derivatives") inspirations M2M(Tag, "poses") taas

## Reactions

#### ReactionModel

BiaAuto(PK) id Char [60] type

ForeignKey(Compound) product product\_vield Float

#### ReactantModel

BigAuto(PK) id Float amount reaction

ForeignKey(Reaction)
ForeignKey(Compound)
ForeignKey(Solvent) compound solvent

### SolventModel

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

### Metadata

### TagModel

id BigAuto(PK) Char [60] name

### OuoteModel

id BigAuto(PK) amount Float Char[60] supplier catalogue Char [90] Char [60] entry lead\_time Float Decimal(8.2) price

Char[3] currency Date

date ForeignKey(Compound) compound purity Float