Kinase Information ER Diagram

Team Zoonii | February 4, 2020

Kinase_General_Information

Field	Type
Uniprot_ACCID	Varchar(10), PK
Kinase Name	VARCHAR(150), NonNull
Kinase Symbol	VARCHAR(50), NonNull
Group	VARCHAR(50)
Family	VARCHAR(50)
Sub_Family	VARCHAR(50)
Synonym	VARCHAR(100)
Function	VARCHAR(1000)
Genomic Location	VARCHAR(250), NonNull
Subcellular location	VARCHAR(150)
PDB Image link	VARCHAR(250)

InhibtorsREF_information

Field	Type
InhibitorRef_ID	INTEGER PK, NonNull
Chembl _ID	Varchar(50), NonNull
Kinase Name	Varchar(150), NonNull FK

Substrate_information

Field	Type
Sub_ID	INTEGER, NonNull , PK
KIN_ACC_ID	Varchar(50), NonNull,
Kin_Gene	VARCHAR(150), NonNull
Kinase_Symbol	VARCHAR(150), NonNull, FK
Substrate_Symbol	VARCHAR(150), NonNull
Sub_ACC_ID	VARCHAR(150), NonNull
Sub_Gene	VARCHAR(150),
Sub_ModResidue	VARCHAR(150),
Site +- 7_AA	VARCHAR(20)
Domain	VARCHAR(150)
Field	Type

Inhibtors_information

Field	Type
Chembl_ID	Varchar(50), PK, NonNull
Inhibitor	Varchar(50), NonNull
Smiles	Varchar(300)
InChi_Key	Varchar(50)
RoF	NUMERIC
MW	NUMERIC
LogP	NUMERIC
TPSA	NUMERIC
HBA	NUMERIC
HBD	NUMERIC
NRB	NUMERIC
Kinase families	Varchar(50)
Image_Link	Varchar(50)