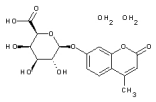

Formula: C16H20O11

MW: 388.33

CAS: 6160-80-1

MDL:

TNP:

MUG 2H2O; 4-MU-BETA-D-GLCA 2H2O; 4-METHYLUMBELLIFERYL-BETA-D-GLUCURONIC ACID DIHYDRATE; 4-METHYLUMBELLIFERYL-BETA-D(-)-GLUCURONIDE DIHYDRATE; 4-METHYLUMBELLIFERYL-BETA-D-GLUCURONIDE DIHYDRATE; 7-HYDROXY-4-METHYLCUMARIN-BETA-D-GLUCURONID

LogP: -4.25

LogS: -1.7

Acceptors: 11

Donors: 8

Rotation Bonds: 2

Chiral Centers: 5

N+O: 11

LIPINSKY: 2

Info: 4-Methylumbelliferyl-beta-D-glucuronide dihydrate 98%Fluorescent substrate for B-D-Glucuronidase (GUS) encoded by the gusA gene isolated from E. coli. Fluorescence assay allows quantitation of GUS activity in protein extracts at peak excitation of 365 nm

IUPAC: (2S,4S,6S,3R,5R)-3,4,5-trihydroxy-6-(4-methyl-2-oxochromen-7-yloxy)-2H-3,4,5,6

-tetrahydropyran-2-carboxylic acid, hydrate, hydrate

Smiles:
O1[C@@H](Oc2ccc3c(c2)oc(cc3C)=O)[C@H](O)[C@@H](O)[C@H]([C@H]1C(=O)O)O.O.O

Specification: 4-METHYLUMBELLIFERYL-BETA-D(-)-GLUCURONIDE DIHYDRATE Chemical Properties:

mp 102 C storage temp. -20C Safety 24/25
4-METHYLUMBELLIFERYL-BETA-D(-)-GLUCURONIDE DIHYDRATE Usage And Synthesis
4-METHYLUMBELLIFERYL-BETA-D(-)-GLUCURONIDE DIHYDRATE