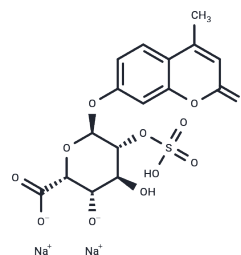


4-Methylumbelliferyl- α -L-iduronide 2-sulfate sodium

Chemical Properties

CAS No. :	2181774-46-7
Formula:	C ₁₆ H ₁₄ Na ₂ O ₁₂ S
Molecular Weight:	476.32
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	4-Methylumbelliferyl- α -L-iduronide 2-sulfate (4-MU- α -idoa 2-sulfate) sodium serves as a fluorescent substrate for iduronate-2-sulfatase (I2S). This compound can be hydrolyzed by the lysosomal enzyme α -L-iduronidase (IDUA), liberating the fluorophore 4-Methylumbelliferone. It is utilized in the detection of Hurler syndrome.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0994 mL	10.4971 mL	20.9943 mL
5 mM	0.4199 mL	2.0994 mL	4.1989 mL
10 mM	0.2099 mL	1.0497 mL	2.0994 mL
50 mM	0.042 mL	0.2099 mL	0.4199 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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