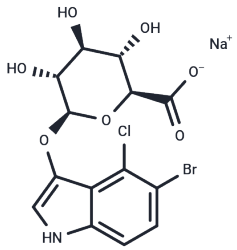
Data Sheet (Cat.No.T64896)

TargetMol

X-Gluc sodium

Chemical Properties



CAS No. : 129541-41-9

Formula: C14H12BrClNNaO7

Molecular Weight: 444.59

Storage: Keep away from moisture,Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	X-Gluc sodium is a dye for detecting β-glucuronidase (GUS) produced by Escherichia coli, reacting with the GUS gene to produce a blue color.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: ≥ 80 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2493 mL	11.2463 mL	22.4926 mL
5 mM	0.4499 mL	2.2493 mL	4.4985 mL
10 mM	0.2249 mL	1.1246 mL	2.2493 mL
50 mM	0.045 mL	0.2249 mL	0.4499 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.

Reference

Frampton EW, Restaino L, Blaszko N. Evaluation of the β-Glucuronidase Substrate 5-Bromo-4-Chloro-3-Indolyl-β-D-Glucuronide (X-GLUC) in a 24-Hour Direct Plating Method for Escherichia coli. J Food Prot. 1988;51(5):402-404.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481