

X-Gluc

Description:

X-Gluc (5-bromo-4-chloro-3-indolyl- β -D-glucuronic acid) is a substrate for β -glucuronidase, an acid hydrolase encoded by the *uid A* gene. In histochemical assays, X-Gluc produces a blue precipitate in the presence of β -glucuronidase. Requires resuspension in DMSO.

Molecular Formula: C₂₀H₂₆BrClN₂O₇

Molecular Weight: 521.80

CAS No.: 18656-96-7

Appearance: Crystalline white powder.

Melting Point: Slow colorization > 140 °C. Gave no clear melting point.

Solution: Clear solution when dissolved in DMF (5mg/ml).

Purity: > 99% by TLC and NMR.

Solvent: Chloroform : MeOH : H₂O = 65 : 35 : 8

Detection: UV 254 nm: 10% H₂SO₄ in EtOH

Transportation: RT or with blue ice

Storage: store at -20°C

Note: protect from light and moisture.

Cat.-no	Description	Amount
407-100	X-Gluc (>99 %)	100 mg
407-110	X-Gluc (>99 %)	500 mg
407-120	X-Gluc (>99 %)	1000 mg

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