



genespin

DATA SHEET

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> X-GlcA Cyclohexyl ammonium salt

cat. no.	amount	note
STS-XGLA 100	100mg	powder
STS-XGLA 250	250mg	powder
STS-XGLA 1000	1g	powder

Histochemical substrate for β -D-Glucuronidase (GUS) encoded by the *gusA* gene. The substrate is used as a qualitative histochemical marker of specific GUS expression in cells and tissue. X-GlcA is cleaved by GUS at the β 1 glucuronic bond between glucuronic acid and the 5-Bromo-4-chloro-3-indolyl part of X-GlcA via hydrolysis. The cleavage of X-GlcA results in the precipitation of water insoluble blue dichloro-dibromo-indigo precipitate at the site of enzymatic cleavage. Purity: >98%

Chemical Name

5-Bromo-4-chloro-3-indolyl- β -D-glucuronic acid, cyclohexyl ammonium salt [X-GlcA]

Formulation

$C_{20}H_{26}BrClN_2O_7$

Molecular Weight

521.8

Solubility

Soluble in :DMF and DMSO

Storage

Store dry at 2-8°C.

FOR RESEARCH USE ONLY