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TECHNICAL INFORMATION

Catalog Number: XGAL0100, XGAL0500, XGAL1000, XGAL5000

X-Gal

Molecular biology grade

Reference Library

X-Gal (5-Bromo-4-Chloro-3-Indolyl- β -D-galactopyranoside) is a β -galactosidase chromogenic substrate. In the presence of β -galactosidase, X-Gal is hydrolyzed and yields a blue precipitate. X-Gal is used for the identification and selection of galactosidase producing bacteria (bacteria Lac+); they produce blue colonies on agar medium. X-Gal is used at a 40mg/ml concentration. It is soluble in dimethylformamide.

CAS No.: 7240-90-6

Molecular Weight: 408.64 g/mol

Formula: $C_{14}H_{15}BrClNO_6$

Specifications :

Appearance: white powder

Assay (HPLC): >99.0%

Specific rotation (1%, H₂O, 20 ° C): [?] ²⁰_D: -62 ± 2

Water content (Karl Fisher) <0.2%

Solubility: clear solution

RNase, DNase and Protease free

Cat#	Description	Size
XGAL0100	X-Gal	100 mg
XGAL0500	X-Gal	5 x 100 mg
XGAL1000	X-Gal	1 g
XGAL5000	X-Gal	5 x 1 g