

Product Specifications



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X-GAL (5'bromo-4-chloro-3-indolyl- β -D-galactopyranoside)

Product Number

IB02260

IB02264

IB02265

Size

1gm

100mg

25gm

CAS NO.

CAS# 7240-90-6

RECOMMENDED USE

A histochemical substrate for β -galactosidase, allowing the detection of lac gene expression. To make a stock solution of X-GAL, dissolve the X-GAL in dimethylformamide to make a 20mg/ml solution. Use either a glass or polypropylene tube. Add 4ml of this solution per liter of culture media. The tube containing the solution should be wrapped in aluminum foil to prevent damage by light and should be stored at -20°C . (It is not necessary to sterilize X-GAL solutions by filtration).

PHYSICAL SPECIFICATIONS

Molecular Formula $\text{C}_{14}\text{H}_{15}\text{BrClNO}_6$
Molecular Weight 408.64
Purity Min. 99%
Solubility (2% in N,N' DMF) Clear and colorless
Optical rotation (C=1) Pass

STORAGE

Store desiccated at -20°C . Warm to room temperature before opening. Keep tightly sealed.

WARNING

Classification: No known hazards

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