

X-Gal, 40mg/ml in DMF Substrate

X-Gal, 40mg/ml in DMF (5-Bromo-4-chloro-3-indolyl-b-D-galactoside galactopyranoside, Xgal)

CATALOG #
AAA14768

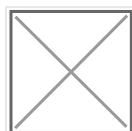
PRODUCT SYNONYMS

X-Gal; 40mg/ml in DMF; 40mg/ml in DMF (5-Bromo-4-chloro-3-indolyl-b-D-galactoside galactopyranoside; Xgal); 40mg/ml in DMF substrate

PRODUCT SPECIFICATIONS

Purity/Purification	100%
Form/Format	Supplied as a liquid in dimethylformamide (DMF).
Concentration	40 mg/mL (varies by lot)
Application Notes	This product as supplied is intended for research use only.
Solubility	Pale Yellow , clear, complete
Identity by I.R. or NMR	Conforms to structure
Blue-White Assay[pUC 18]LacZ+LacZ-	Pale blue center/dense blue periphery Faint blue center/ white periphery
Molecular Formula	C ₁₄ H ₁₅ BrClNO ₆ • DMF
CAS Number	7240-90-6
Preparation and Storage	Store at -20°C. Aliquots are stable for 12 months. Protect from light.

IMAGES



Structure

Structure of X-Gal, 5-Bromo-4-chloro-3-indolyl-b-D-galactoside (galactopyranoside), BCIG

ADDITIONAL INFORMATION

Related Product Information for X-Gal, 40mg/ml in DMF substrate	Blue substrate used in the detection of b-galactosidase in bacteria or phage as a selection agent for cloning experiments utilizing the lacZ vector. Colonies expressing b-galactosidase will appear blue in the presence of XGAL. Others will appear white.
Product Categories/Family for X-Gal, 40mg/ml in DMF substrate	Biochemicals; Biochem-Enzyme Substrates; Carbohydrates

NCBI AND UNIPROT INFORMATION

Molecular Weight	408.61
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/substrate/x-gal-40mg-ml-in-dmf/14768>