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

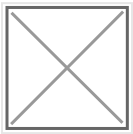
PRODUCT SYNONYMS

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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/substrate/x-gal-40mg-ml-in-dmf/14768