



SPECIFICATION

5-Bromo-4-chloro-3-indolyl b-D-galactopyranoside

Product Code:	EB06680
Synonyms:	X-Gal X-b-D-Galactoside
CAS Number:	7240-90-6
Chemical Formula:	$C_{14}H_{15}BrClNO_6$
Molecular Weight:	408.63

TECHNICAL SPECIFICATION

Appearance:	White to off-white crystalline powder
Assay (HPLC) (on anhydrous basis):	min 98% w/w
Purity (HPLC):	min 99%
Purity (TLC):	Single spot
Specific optical rotation [α] _D	-61.5 \pm 1° ²⁰ (c=1,DMF:water,1:1):
Water content (Karl Fischer):	max 1%
Identity (IR):	Conforms to structure
Solubility (5% w/v,DMF):	Soluble
Appearance of solution (50mg/ml in DMF:MeOH, 1:1):	Clear, colourless to light yellow solution