



Product Information

Bluo-Gal

Cat. No.: XGB910

Size: 100 mg; 500 mg

MDL: MFCD00063691

CAS Number: 97753-82-7

PubChem Substance ID: 24891417

REAXYS Number: 1550140

NACRES: NA.85

Synonym: 5-Bromo-3-indolyl β -D-galactopyranoside, Bluo-Gal

This product is for research use only and is not intended for diagnostic use.

Product Information

Molecular Weight	374.18
Empirical Formula	C ₁₄ H ₁₆ BrNO ₆
InChI	1S/C ₁₄ H ₁₆ BrNO ₆ /c15-6-1-2-8-7(3-6)9(4-16-8)21-14-13(20)12(19)11(18)10(5-17)22-14/h1-4,10-14,16-20H,5H2/t10-,11+,12+,13-,14-/m1/s1
SMILES string	OC[C@H]1O[C@@H](Oc2c[nH]c3ccc(Br)cc23)[C@H](O)[C@@H](O)[C@H]1O
Form	powder
Purity	reagent for selection of recombinant bacterial clones
Solubility	DMF: soluble
Quality Level	200
Applications	Bluo-Gal can be used in selection of recombinant bacterial colonies with the lac ⁺ phenotype and as β -galactosidase substrate in the staining of skin tissues for electron microscopy analysis.
Storage	-20°C

Safety Information

Personal Protective Equipment	Eyeshields, Gloves, type N95 (US)
WGK Germany	WGK 3