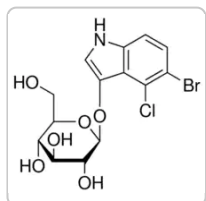


Type in Product Names, Product Numbers, or CAS Numbers to see suggestions.



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Documents

[↓ SDS](#)

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B4527 ▶ **Sigma-Aldrich®**

5-Bromo-4-chloro-3-indolyl β-D-glucopyranoside

★★★★★ (0)

≥97%

Synonym(s):

X-Glc, X-glucoside

Empirical Formula (Hill Notation):

C₁₄H₁₅BrClNO₆

CAS Number: **15548-60-4**

Molecular Weight: 408.63

Beilstein: 1552603

EC Number: **239-603-0**

MDL number: **MFCD00063690**

PubChem Substance ID: **24891784**

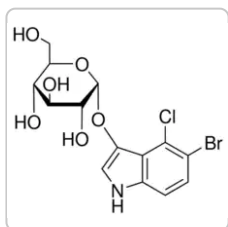
NACRES: NA.83

SKU	Pack Size	Availability	Price	Quantity		
B4527-5MG	5 MG	 Only 1 left in stock (more on the way) Details...	€96.70	− +		
B4527-25MG	25 MG	 Estimated to ship on November 11, 2022	€366.00	− +		
B4527-100MG	100 MG	 Estimated to ship on November 03, 2022	€1,110.00	− +		

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[Add to Cart](#)

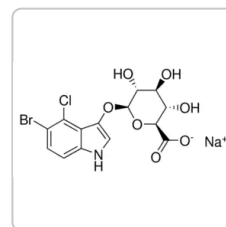
RECOMMENDED PRODUCTS



Sigma-Aldrich

73837**5-Bromo-4-chloro-3-indolyl α-D-glucopyranoside**

≥98.0% (HPLC)

[View Price and Availability](#)

Sigma-Aldrich

B5285**5-Bromo-4-chloro-3-indolyl β-D-glucuronide sodium salt**

≥98%

[View Price and Availability](#)

PROPERTIES

Quality Level **200****assay** ≥97%**form** powder**solubility** DMF: 50 mg/mL, clear, colorless to faintly yellow**storage temp.** -20°C**SMILES string** OC[C@H]1O[C@@H](Oc2c[nH]c3ccc(Br)c(Cl)c23)[C@H](O)[C@@H](O)[C@@H]1O

InChI 1S/C14H15BrClNO6/c15-5-1-2-6-9(10(5)16)7(3-17-6)22-14-13(21)12(20)11(19)8(4-18)23-14/h1-3,8,11-14,17-21H,4H2/t8-,11-,12+,13-,14-/m1/s1

InChI key OPIFSICVWOWJMJ-LNNRFACYSA-N

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Related Categories

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DESCRIPTION

Packaging

5 mg in glass bottle

25, 100 mg in poly bottle

Substrates

A histochemical substrate for β -glucosidase.

SAFETY INFORMATION

Storage Class Code

13 - Non Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Flash Point(C)

Not applicable

**Personal Protective
Equipment**

dust mask type N95 (US),

Eyeshields, Gloves

DOCUMENTATION

Certificate of Analysis

Enter Lot Number to search for Certificate of Analysis (COA).

Lot Number

e.g. 023J5431

How to enter Lot Number (COA)

Search

Certificate of Origin

Enter Lot Number to search for Certificate of Origin (COO).

Lot Number

e.g. 023J5431

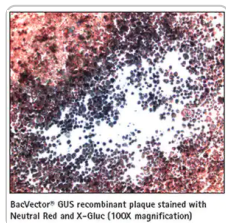
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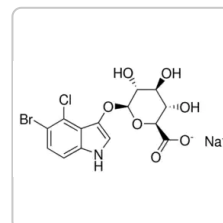
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A colorimetric stain for GUS activity

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tablet

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Novel selective and non-selective optical detection of microorganisms.

L A Shelef et al.*Letters in applied microbiology, 25(3), 202-206 (1997-11-14)*

A new instrument, capable of detecting metabolic changes due to microbiological activity, is described. Optical changes in growth media are monitored in a semi-fluid zone that separates the liquid medium containing the sample. Data demonstrate that common media can be

Novel compound for identifying Escherichia coli.

W D Watkins et al.

Applied and environmental microbiology, 54(7), 1874-1875 (1988-07-01)

A new chromogenic compound, 5-bromo-4-chloro-3-indoxyl-beta-D-glucuronide, was found to be useful for the rapid, specific, differential identification of *Escherichia coli* in the sanitary analysis of shellfish and wastewater. Of 1,025 presumptively positive colonies (blue) and 583 presumptively negative colonies (nonblue), only

Identification of *Bradyrhizobium elkanii* USDA61 Type III Effectors Determining Symbiosis with *Vigna mungo*.

Hien P Nguyen et al.

Genes, 11(5) (2020-05-01)

Bradyrhizobium elkanii USDA61 possesses a functional type III secretion system (T3SS) that controls host-specific symbioses with legumes. Here, we demonstrated that *B. elkanii* T3SS is essential for the nodulation of several southern Asiatic *Vigna mungo* cultivars. Strikingly, inactivation of either

Histochemical detection of alpha-D-glucosidases and their molecular forms with 5-Br-4-Cl-3-indoxyl-alpha-D-glucoside.

R Gossrau et al.

Histochemistry, 86(4), 397-404 (1987-01-01)

5-Br-4-Cl-3-Indoxyl-alpha-D-gluco(pyrano)side was found to be the most suitable synthetic substrate for the demonstration of alpha-D-glucosidases in situ. Using an azoindoxyl procedure with hexazotized pararosaniline or new fuchsine at pH 5 in freeze-dried celloidine-mounted cryostat sections acid alpha-D-glucosidase (EC 3.2.1.20) was

Chemiluminescent assay of various enzymes using indoxyl derivatives as substrate and its applications to enzyme immunoassay and DNA probe assay.

H Arakawa et al.

Analytical biochemistry, 199(2), 238-242 (1991-12-01)

Chemiluminescent assays of various enzymes have been developed using indoxyl derivatives as substrates. The principle of the method is as follows: an enzyme causes hydrolysis of an indoxyl derivative to an intermediate indoxyl that is readily oxidized to indigo dye

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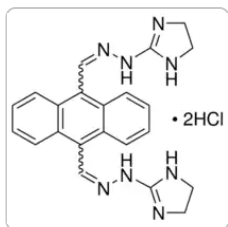
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Articles

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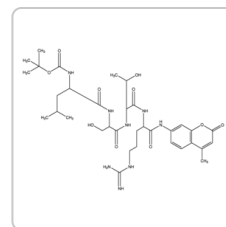
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B4563

Bisantrene dihydrochloride

≥98% (HPLC)

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Sigma-Aldrich

B4636

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protein C substrate

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