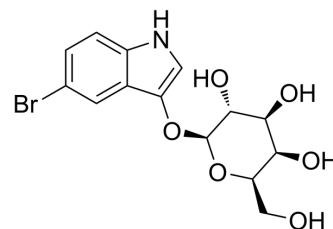


5-Bromo-3-indolyl β -D-galactopyranoside

| | |
|--------------------|--|
| Cat. No.: | HY-137276 |
| CAS No.: | 97753-82-7 |
| Molecular Formula: | C ₁₄ H ₁₆ BrNO ₆ |
| Molecular Weight: | 374.18 |
| Target: | Fluorescent Dye |
| Pathway: | Others |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (334.06 mM; Need ultrasonic)

| Concentration | Solvent | Mass | Concentration | | |
|---------------------------|---------|------|---------------|------------|------------|
| | | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | | 2.6725 mL | 13.3626 mL | 26.7251 mL |
| | 5 mM | | 0.5345 mL | 2.6725 mL | 5.3450 mL |
| | 10 mM | | 0.2673 mL | 1.3363 mL | 2.6725 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5-Bromo-3-indolyl β -D-galactopyranoside (Bluo-Gal) is a chromogenic substrate to detect bacterial β -D-galactosidase activity. 5-Bromo-3-indolyl β -D-galactopyranoside is used both to recognize labelled myofibers, and beta-gal positive organelles inside single myofibers^[1].

REFERENCES

[1]. Gioglio L, et al. An improved method for beta-galactosidase activity detection on muscle tissue. A light and electron microscopic study. *Ann Anat.* 2002;184(2):153-157.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA