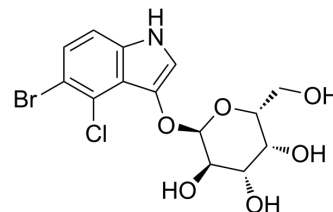


## X-alpha-Gal

|                    |   |       |          |
|--------------------|---|-------|----------|
| Cat. No.:          | HY-114522   |       |          |
| CAS No.:           | 107021-38-5   |       |          |
| Molecular Formula: | C <sub>14</sub> H <sub>15</sub> BrClNO <sub>6</sub> |       |          |
| Molecular Weight:  | 408.63  |       |          |
| Target:            | Biochemical Assay Reagents                          |       |          |
| Pathway:           | Others  |       |          |
| Storage:           | Powder  | -20°C | 3 years  |
|                    |   | 4°C   | 2 years  |
|                    | In solvent  | -80°C | 6 months |
|                    |   | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (244.72 mM; Need ultrasonic)

| Concentration | Mass      |            |            |
|---------------|-----------|------------|------------|
|               | 1 mg      | 5 mg       | 10 mg      |
| 1 mM          | 2.4472 mL | 12.2360 mL | 24.4720 mL |
| 5 mM          | 0.4894 mL | 2.4472 mL  | 4.8944 mL  |
| 10 mM         | 0.2447 mL | 1.2236 mL  | 2.4472 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

X-alpha-Gal is a chromogenic substrate that is used to screen colonies with high activity of  $\beta$ -galactopyranoside<sup>[1]</sup>.

### REFERENCES

[1]. ALazzE A Y, et al. The effect of chemical mutagenesis on the activity of  $\alpha$ - and  $\beta$ -galactosidases in *Lactobacillus reuteri* [J]. *Milchwissenschaft*, 2011, 66: 3.

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

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