**Product datasheet**

**Bluo-Gal ab146379**

### Overview

**Product name**  
Bluo-Gal  

**Description**  
Chromogenic beta-galactosidase substrate  

**Biological description**  
Chromogenic substrate for β-galactosidase, used to determine the presence or absence of a cloned DNA insert in bacteria growing on agar plates. Designed as an alternative to X-Gal (ab144388) in blue-white selection of recombinant bacterial colonies with the lac+ phenotype, producing a darker blue color.

**Purity**  
> 98%

### Properties

**Molecular weight**  
374.20  

**Chemical structure**
![Chemical structure of Bluo-Gal](image)

**Molecular formula**  
C\textsubscript{14}H\textsubscript{16}BrNO\textsubscript{6}  

**CAS Number**  
97753-82-7

**Storage instructions**  
Store at -20°C. Store In the Dark. Store under desiccating conditions. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.

**Handling**
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

**Source**  
Synthetic

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"
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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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