

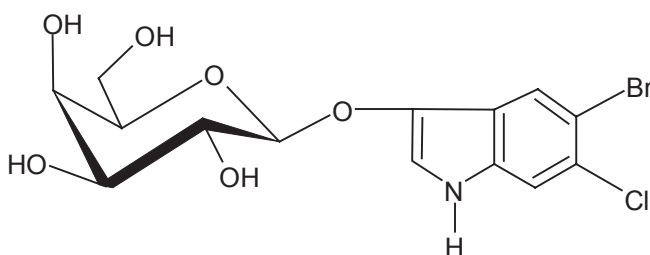


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**DATA SHEET**  
enzyme substrate

**5-BROMO-6-CHLORO-3-INDOLYL-β-D-GALACTOPYRANOSIDE**  
(MAGENTA-GAL)



Inalco code	1758-0400
C.A.S. R.N.	[93863-88-8]
Applications	Chromogenic substrate for β-D-Galactosidase. Alternative to X-Gal. Produces an insoluble magenta chromophore in lac <sup>+</sup> bacterial colonies. It is used in histochemistry for the localization of the enzyme activity in mammalian tissues.
Formula	C <sub>14</sub> H <sub>15</sub> BrClNO <sub>6</sub>
Molecular Weight	408.6
Appearance	White or almost white (pinkish) powder
Purity (TLC)	≥ 98%
Specific Rotation	[α] <sup>20</sup> <sub>D</sub> -42° ± 2 (c=1.3 in ethanol)
Water Content (K.F.)	≤ 2%
Solubility	Clear (1.3% in ethanol)
<sup>1</sup> H-NMR	Conforming to the structure
Storage	Store at 4° C; protect from light and humidity. For long term storage: -20° C.
Toxicity	Toxicity unknown; avoid exposure.