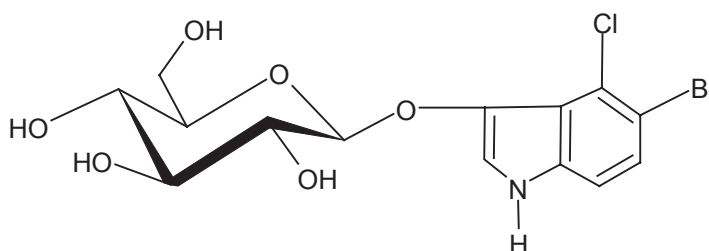




**5-BROMO-4-CHLORO-3-INDOLYL- $\alpha$ -D-GLUCOPYRANOSIDE**  
(X- $\alpha$ -D-GLUCOSIDE)



Inalco code	1758-0475
C.A.S. R.N.	[108789-36-2]
Applications	Chromogenic substrate for $\alpha$ -Glucosidase that, upon enzymatic action, forms an indigo-blue precipitate. It is used in microbiology culture media for the identification of $\alpha$ -Glucosidase positive organisms. It is also used in histochemistry and in biochemistry.
Formula	$C_{14}H_{15}BrClNO_6$
Molecular Weight	408.6
Appearance	White to almost white powder
Purity (TLC)	$\geq 98\%$
Specific Rotation	$[\alpha]_D^{20} 106.5^\circ \pm 2$ (c=1 in DMF/H <sub>2</sub> O 1:1)
Water Content (K.F.)	$\leq 1.0\%$
Solubility	Clear and colorless (2% in DMF)
<sup>1</sup> H-NMR	Conforming to the structure
Storage	Store at 0-4° C; for long term storage hold at -20° C. Protect from light and humidity.
Toxicity	Toxicity unknown; avoid exposure.