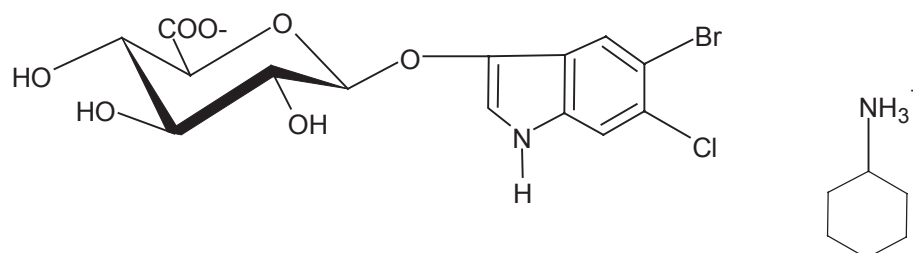




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DATA SHEET
enzyme substrate

5-BROMO-6-CHLORO-3-INDOLYL-β-D-GLUCURONIDE, Cyclohexylammonium Salt
(MAGENTA-GLUCURO CHA SALT)



Inalco code	1758-0450
C.A.S. R.N.	[144110-43-0]
Applications	Chromogenic substrate for β-Glucuronidase that, upon enzymatic action, forms a magenta-red precipitate. This substrate is used in microbiology culture media for the identification of β-Glucuronidase positive organisms (i.e. <i>E. coli</i> .)
Formula	$C_{14}H_{13}BrClNO_7 \cdot C_6H_{13}N$
Molecular Weight	521.8
Appearance	White to off-white powder
Purity (TLC)	≥ 98%
Specific Rotation	$[\alpha]_D^{20} -67^\circ \pm 3$ (c=1 in DMF/H ₂ O 1:1)
Water Content (K.F.)	≤ 1.0%
Solubility	Clear and colorless (2% in DMF)
¹ H-NMR	Conforming to the structure
Storage	Store at -20° C; protect from light and humidity.
Toxicity	Toxicity unknown; avoid exposure.