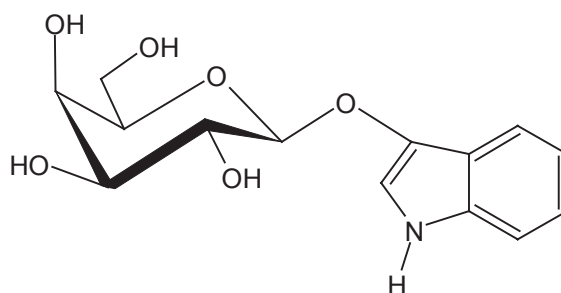


3-INDOXYL- β -D-GALACTOPYRANOSIDE
(INDOXYL-GAL)



Inalco code	1758-1370
C.A.S. R.N.	[126787-65-3]
Applications	Chromogenic substrate for β -Galactosidase that, upon enzymatic action, forms a blue precipitate. Indoxyl-Gal is used in microbiology culture media to identify lac ⁺ organisms (e.g. general coliforms.) It is used in histochemistry and in biochemistry.
Formula	C ₁₄ H ₁₇ NO ₆
Molecular Weight	295.3
Appearance	White or almost white powder
Purity	≥ 98%
Specific Rotation	[α] _D ²⁰ -46° ± 2 (c=0.5 in methanol)
Water Content (K.F.)	≤ 1%
Solubility	Clear and colorless solution (1% in methanol)
¹ H-NMR	Conforming to the structure
Storage	Store at 4° C; protect from light and humidity. For long term storage hold at -20° C.
Toxicity	Toxicity unknown; avoid exposure.