

# *Chem-Impex International, Inc.*

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## *Product Specifications*

**Catalogue Number** 09368

**Product**

**Indol-3-yl- $\beta$ -D-galactoside**

Indol-3-yl- $\beta$ -D-galactopyranoside

**CAS Number** 126787-65-3

**Molecular Formula** C<sub>14</sub>H<sub>17</sub>NO<sub>6</sub>

**Molecular Weight** 295.29

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**Appearance** White to off-white powder

**Solubility** Clear and colorless solution (1% in Methanol)

**Water Content (Karl Fisher)**  $\leq 1\%$

**Optical Rotation**  $[\alpha]_D^{20} = -45 \pm 2^\circ$  (c=0.5% in MeOH)

**<sup>1</sup>H NMR** Conforms to structure

**Purity by TLC**  $\geq 99\%$

**Application** It is used in microbiology culture media to identify lac<sup>+</sup> organisms (e.g. general coliforms.)  
It is also used in histochemistry and in biochemistry.

**Storage** Store at 0-8 °C

**For Laboratory Use Only**