

# *Chem-Impex International, Inc.*

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## *Product Specifications*

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 21763   |
| <b>Product</b>           | <b><i>o</i>-Nitrophenyl-1-thio-<math>\beta</math>-D-galactopyranoside</b><br><br>2-Nitrophenyl 1-thio- $\beta$ -D-galactopyranoside<br><br><i>o</i> -Nitrophenylsulfenyl-1-thio- $\beta$ -D-galactoside |
| <b>CAS Number</b>        | 1158-17-4   |
| <b>Molecular Formula</b> | C <sub>12</sub> H <sub>15</sub> NO <sub>7</sub> S   |
| <b>Molecular Weight</b>  | 317.32  |
| <b>Appearance</b>        | Yellow crystalline powder   |
| <b>Optical Rotation</b>  | [ $\alpha$ ] <sub>D</sub> <sup>20</sup> = - 250 to 256 ° (C=0.7 in MeOH)  |
| <b>Infrared Spectrum</b> | Conforms to structure   |
| <b><sup>1</sup>H NMR</b> | Conforms to structure   |
| <b>Purity by HPLC</b>    | ≥ 99%   |
| <b>Purity by TLC</b>     | One spot  |
| <b>Storage</b>           | Store at ≤ -4 °C  |

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**For Laboratory Use Only**