

# *Chem-Impex International, Inc.*

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## *Product Specifications*

<b>Catalogue Number</b>	46588
<b>Product</b>	<b>Cholesterol, Plant-Origin</b> 3 $\beta$ -Hydroxy-5-cholestene 5-Cholesten-3 $\beta$ -ol
<b>CAS Number</b>	57-88-5
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>46</sub> O
<b>Molecular Weight</b>	386.70

---

<b>Appearance</b>	White or almost white crystalline powder
<b>Solubility</b>	No deposit or turbidity is formed (In Alcohol)
<b>Melting Point</b>	147 - 150 °C
<b>Heavy Metals</b>	≤ 10 ppm
<b>Acidity</b>	≤ 0.3 mL (0.1 N H <sub>2</sub> SO <sub>4</sub> )
<b>Optical Rotation</b>	[ $\alpha$ ] <sup>D</sup> <sub>20</sub> = -38 to -34 ° (C=2 in Dioxane)
<b>Loss on Drying</b>	≤ 0.3%
<b>Related Substances</b>	Individual impurity (HPLC) : ≤ 0.5% Total impurities (HPLC) : ≤ 1% Individual impurity (GC) : ≤ 0.2% Total impurities (GC) : ≤ 1%
<b>Sulfated Ash</b>	≤ 0.1%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	97 - 103%
<b>Storage</b>	Store at RT

**For Laboratory Use Only**