

Catalog # 10-1075 U-18666A

CAS# 3039-71-2 3β-[2-(Diethylamino)ethoxy]androst-5-en-17-one hydrochloride Lot # X101077



U18666A is an oxidosqualene reductase inhibitor.¹ Inhibits the egress of cholesterol from late endosomes and lysosomes.² Also used to study Niemann-Pick disease and for assessing the importance of molecular trafficking through the lysosomal pathway in other conditions.³

- 1) Sexton *et al* (1983) *Effects of 3.beta.-[2-(diethylamino)ethoxy]androst-5-en-17-one on the synthesis of cholesterol and ubiquinone in rat intestinal epithelial cell cultures.* Biochemistry **22** 5687
- Liscum and Faust (1989) The intracellular transport of low density lipoprotein-derived cholesterol is inhibited in Chinese hamster ovary cells cultured with 3-β-[2-(diethylamino)ethoxy]androst-5-en-17-one. J.Biol.Chem. 264 11796
- 3) Cenedella, (2009) Cholesterol synthesis inhibitor U18666A and the role of sterol metabolism and trafficking in numerous pathophysiological processes: Lipids **44**, 477

PHYSICAL DATA

Molecular Weight:	424.07
Molecular Formula:	C ₂₅ H ₄₁ NO ₂ ·HCI
Purity:	98% by TLC (10% Methanol/methylene chloride + 0.1% NH ₄ OH; $R_f = 0.43$)
	NMR: Conforms
Solubility:	Water (at least 30 mg/ml); DMSO (at least 30 mg/mL)
Physical Description:	Tan solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Protect from
	exposure to moisture. Solutions may be stored at -20°C for up to 1 week.

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