

## Probucol disuccinate

## Chemical Properties

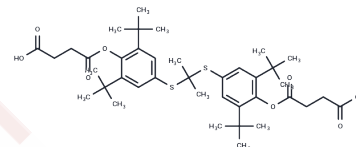
CAS No. : 216168-45-5

Formula: C<sub>39</sub>H<sub>56</sub>O<sub>8</sub>S<sub>2</sub>

Molecular Weight: 716.99

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	Probucol is an anti-hyperlipidemic drug initially developed in the treatment of coronary artery disease by lowering the level of cholesterol in the bloodstream by increasing the rate of LDL catabolism.
Targets(IC50)	LDL

## Solubility Information

Solubility	DMSO: 2.5 mg/mL (3.49 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3947 mL	6.9736 mL	13.9472 mL
5 mM	0.2789 mL	1.3947 mL	2.7894 mL
10 mM	0.1395 mL	0.6974 mL	1.3947 mL
50 mM	0.0279 mL	0.1395 mL	0.2789 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Yamamoto A, et al. A unique antilipidemic drug--probucol. J Atheroscler Thromb. 2008 Dec;15(6):304-5. Epub 2008 Dec 11.

Favari E1, et al. Probucol inhibits ABCA1-mediated cellular lipid efflux. Arterioscler Thromb Vasc Biol. 2004 Dec;24(12):2345-50.

Miida T1, et al. Probucol markedly reduces HDL phospholipids and elevated pre-beta1-HDL without delayed conversion into alpha-migrating HDL: putative role of angiopoietin-like protein 3 in probucol-induced HDL remodeling. Atherosclerosis. 2008 Oct;200(2):329-35.

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