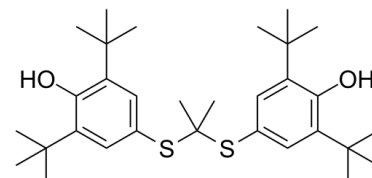


Data Sheet

Product Name:	Probucol
Cat. No.:	CS-2473
CAS No.:	23288-49-5
Molecular Formula:	C ₃₁ H ₄₈ O ₂ S ₂
Molecular Weight:	516.84
Target:	Virus Protease
Pathway:	Anti-infection
Solubility:	DMSO : ≥ 100 mg/mL (193.48 mM); H ₂ O : < 0.1 mg/mL (insoluble)



BIOLOGICAL ACTIVITY:

Probucol (DH-581) is an anti-hyperlipidemic drug by lowering the level of cholesterol in the bloodstream by increasing the rate of LDL catabolism. IC₅₀ & Target: Probucol (DH-581) is a drug used to lower LDL and HDL cholesterol yet has little effect on serum-triglyceride or VLDL cholesterol. Probucol (DH-581) inhibited cholesterol efflux up to 80% in J774 macrophages expressing ABCA1. Probucol (DH-581) is an effective inhibitor of ABCA1-mediated cholesterol efflux without influencing scavenger receptor class B type I-mediated efflux. The inhibition of ABCA1 translocation to the plasma membrane may in part explain the reported in vivo high-density lipoprotein-lowering action of probucol^[1].

References:

[1]. Probucol

CAIndexNames:

Phenol, 4,4'-[(1-methylethylidene)bis(thio)]bis[2,6-bis(1,1-dimethylethyl)-

SMILES:

CC(SC1=CC(C(C)(C)C)=C(O)C(C(C)(C)C)=C1)(SC2=CC(C(C)(C)C)=C(O)C(C(C)(C)C)=C2)C

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA