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Product Datasheet

Probucol, CAS [[23288-49-5]] FBM-10-2679

Article Name	Probucol, CAS [[23288-49-5]]
Biozol Catalog Number	FBM-10-2679
Supplier Catalog Number	10-2679
Alternative Catalog Number	FBM-10-2679-1G,FBM-10-2679-10G
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Antioxidant hypercholesterolemic agent...
Molecular Weight	516.84
Purity	98% by HPLC / TLC NMR (Conforms)
Form	Off-white solid
CAS Number	[23288-49-5]
Formula	C31H48O2S2

Application Notes	Probucol (23288-49-5) is a unique antilipidemic drug which inhibits the oxidation of LDL cholesterol preventing the genesis of macrophage-derived foam cells and thus suppressing the formation of atherosclerotic vascular lesions.¹ It inhibits ABCA1-mediated cholesterol efflux without influencing scavenger receptor (class B type 1)-mediated efflux.² It enhances mitophagy and improves survival, locomotor function and dopaminergic neuron loss in zebrafish and fly models of mitochondrial damage.³ It attenuates NF-κB/NLRP3 signaling and augments Nrf-2-mediated antioxidant defense in nerve injury models.⁴ Improves learning and memory in aging mice.⁵ It protects neuronal cells against peroxide-induced damage and directly activates glutathione peroxidase-1.⁶
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