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Product Datasheet

Stiripentol, CAS [[49763-96-4]]
FBM-10-3978

Artikelname	Stiripentol, CAS [[49763-96-4]]
Artikelnummer	FBM-10-3978
Hersteller Artikelnummer	10-3978
Alternativnummer	FBM-10-3978-10MG,FBM-10-3978-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Anticonvulsant/LDHA inhibitor...
Molekulargewicht	234.30
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[49763-96-4]
Formel	C14H18O3
Anwendungsbeschreibung	Stiripentol is a clinically useful anticonvulsant used to treat Dravet syndrome. The precise mechanism of action is unknown but it is thought to act via increasing GABAergic activity¹, inhibiting LDHA² and thereby activating ATP-sensitive potassium channels, and blocking Na⁺ and Ca²⁺ channels³. It also inhibits the cytochrome P450 enzymes 1A2, 2C9, 2C19, 2D6, and 3A4.⁴ Stiripentol and the copper ionophore elesclomol (Cat10-4238) synergistically suppressed esophageal squamous cell carcinoma (ESCC) tumor growth.² Lactate dehydrogenase A inhibition by stiripentol reduced ESCC cuproptosis resistance by inhibiting lactylation of NUDT21.