

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Stiripentol, CAS [[49763-96-4]]

FBM-10-3978

Article Name	Stiripentol, CAS [[49763-96-4]]
Biozol Catalog Number	FBM-10-3978
Supplier Catalog Number	10-3978
Alternative Catalog Number	FBM-10-3978-10MG, FBM-10-3978-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Anticonvulsant/LDHA inhibitor...
Molecular Weight	234.30
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[49763-96-4]
Formula	C14H18O3
Application Notes	<p>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.</p>