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Product Datasheet

Tegavivint, CAS [[1227637-23-1]]
FBM-10-4642

Article Name	Tegavivint, CAS [[1227637-23-1]]
Biozol Catalog Number	FBM-10-4642
Supplier Catalog Number	10-4642
Alternative Catalog Number	FBM-10-4642-5MG,FBM-10-4642-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	β-Catenin pathway inhibitor...
Molecular Weight	588.74
Purity	98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[1227637-23-1]
Formula	C28H36N4O6S2
Application Notes	Tegavivint is a potent inhibitor (IC₅₀ = <10 nM) of the β-catenin pathway.¹ Active in vitro in multiple cancer cells with nanomolar potency. Tegavivint displayed efficacy in mouse models of acute myeloid leukemia², multiple myeloma³, and mantle cell lymphoma⁴. It inhibits the β-catenin pathway in a unique way by selectively binding to Transducin Beta-like related protein 1 (TBLR1) leading to displacement of β-catenin from the TBL1/β-catenin complex.⁵ This interaction does not effect Notch, Sonic Hedgehog, or Hippo signaling pathways. Tegavivint promotes a lipid-dependent nonapoptotic cell death that is dependent on the enzyme trans-2,3-enoyl-CoA reductase (TECR).⁶