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Product Datasheet

Tegavivint FBM-10-4642

Artikelname	Tegavivint
Artikelnummer	FBM-10-4642
Hersteller Artikelnummer	10-4642
Alternativnummer	FBM-10-4642-5MG,FBM-10-4642-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	β-Catenin pathway inhibitor...
Molekulargewicht	588.74
Reinheit	98% by HPLC NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[1227637-23-1]
Formel	C ₂₈ H ₃₆ N ₄ O ₆ S ₂

Anwendungsbeschreibung	<p>Tegavivint is a potent inhibitor ($IC_{50} = <10 \text{ nM}$) 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</p>
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