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## Product Datasheet

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

Artikelname	Tegavivint, CAS [[1227637-23-1]]
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	C28H36N4O6S2

Anwendungsbeschreibung	<p>Tegavivint is a potent inhibitor (<math>IC_{50} = &lt;10</math> nM) of the <math>\beta</math>-catenin pathway.<sup>1</sup> Active in vitro in multiple cancer cells with nanomolar potency. Tegavivint displayed efficacy in mouse models of acute myeloid leukemia<sup>2</sup>, multiple myeloma<sup>3</sup>, and mantle cell lymphoma<sup>4</sup>. It inhibits the <math>\beta</math>-catenin pathway in a unique way by selectively binding to Transducin Beta-like related protein 1 (TBLR1) leading to displacement of <math>\beta</math>-catenin from the TBL1/<math>\beta</math>-catenin complex.<sup>5</sup> 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).<sup>6</sup></p>
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