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Product Datasheet

Fostamatinib disodium, CAS [[1025687-58-4]] FBM-10-4144

Artikelname	Fostamatinib disodium, CAS [[1025687-58-4]]
Artikelnummer	FBM-10-4144
Hersteller Artikelnummer	10-4144
Alternativnummer	FBM-10-4144-5MG, FBM-10-4144-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Syk inhibitor...
Molekulargewicht	624.43
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[1025687-58-4]
Formel	C ₂₃ H ₂₄ FN ₆ O ₉ P ₂ Na

Anwendungsbeschreibung	Fostamatinib is a prodrug of the spleen tyrosine kinase inhibitor (Syk) R406 and is approved for the treatment of chronic immune thrombocytopenia. It has demonstrated significant reduction in inflammatory mediators such as TNFalpha, IL-1, IL-6, and IL-8 in arthritis models.¹ Syk IC50 = 41 nM - Fostamatinib also inhibits Flt3, Lyn, and Lck with similar potency in vitro but displays higher selectivity Syk in cellular assays.² Significantly inhibits LPS-induced inflammatory response via blocking STAT1/3 signaling.³ Fostamatinib restored myeloid homeostasis in severe COVID-19.⁴ Displayed synergistic effects with anti-PDL1 therapy against neuroblastoma.⁵ Fostamatinib induces metabolic reprogramming of acute myeloid leukemia stem cells.⁶
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