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Product Datasheet

Nitisinone FBM-10-4648

Artikelname	Nitisinone
Artikelnummer	FBM-10-4648
Hersteller Artikelnummer	10-4648
Alternativnummer	FBM-10-4648-50MG,FBM-10-4648-250MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Tyrosine metabolism inhibitor...
Molekulargewicht	329.23
Reinheit	>98% by TLC (NMR Conforms)
Formulierung	Beige solid
CAS Nummer	[104206-65-7]
Formel	C14H10F3NO5
Anwendungsbeschreibung	Inhibitor of 4-Hydroxyphenylpyruvate dioxygenase (HPPD, IC50 = 40 nM1 and 173 nM2) and is in clinical use for the treatment of hereditary tyrosinemia type 13. CD13+ cancer stem cells (CSCs) are dependent on aerobic metabolism of tyrosine - Nitisinone inhibition of tyrosine metabolism results in lowered availability of acetyl-CoA and fumarate for use in the citric acid cycle causing these CSCs to enter cell cycle, decreasing self-renewal, and making them more susceptible to chemotherapy. ⁴ Nitisinone is a potential treatment option for cancers that rely on tyrosine metabolism.