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Product Datasheet

ZSTK474, CAS [[475110-96-4]] FBM-10-2180

Artikelname	ZSTK474, CAS [[475110-96-4]]
Artikelnummer	FBM-10-2180
Hersteller Artikelnummer	10-2180
Alternativnummer	FBM-10-2180-5MG, FBM-10-2180-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	PI 3-kinase inhibitor...
Molekulargewicht	417.41
Reinheit	99% by HPLC NMR (Conforms)
Formulierung	White or off-white solid
CAS Nummer	[475110-96-4]
Formel	C19H21F2N7O2

Anwendungsbeschreibung	Novel Class I phosphatidylinositol 3-kinase (PI3K) inhibitor. ZSTK474 is an ATP-competitive inhibitor of all four Class I PI3K isoforms. However, it inhibits PI3Kdelta most potently, with a K_i of 1.8 nM, while inhibiting the alpha, beta and gamma isoforms at slightly higher concentrations (6.7 nM, 10.4 nM and 11.7 nM, respectively)¹. Displays potent antitumor activity against human cancer xenografts (A549, PC-3 and WiDr) when administered to mice². It displays potent anti-inflammatory activity via modulation of human CD14⁺ monocyte-derived dendritic cell functions and suppresses experimental autoimmune encephalomyelitis³. Ameliorates the progression of adjuvant-induced arthritis in a rat model⁴.
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