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Product Datasheet

MTX-531, CAS [[2791417-66-6]] FBM-10-4802

Artikelname	MTX-531, CAS [[2791417-66-6]]
Artikelnummer	FBM-10-4802
Hersteller Artikelnummer	10-4802
Alternativnummer	FBM-10-4802-5MG, FBM-10-4802-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Dual EGFR/PI3K inhibitor...
Molekulargewicht	453.95
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[2791417-66-6]
Formel	C22H20ClN5O2S

Anwendungsbeschreibung	MTX-531 is a first-in-class dual EGFR/pan-PI3K inhibitor (IC₅₀s: EGFR = 14.7 nM, PI3Kα = 6.4 nM, PI3Kβ = 233 nM, PI3Kγ = 8.3 nM, PI3Kδ = 1.1 nM, mTOR = 105 nM, DNA-PK = 5.4 nM). MTX-531 displayed exquisite selectivity for EGFR and PI3K family members (against >400 protein/lipid kinases). It displayed efficacy in the treatment of head and neck squamous cell carcinomas and in combination with RAS inhibitors in BRAF-mutant and KRAS-mutant colorectal and pancreatic cancers. Additionally, it did not produce a hyperglycemic response that is typical for PI3K inhibitors. An interesting new chemical tool for cancer research that targets two key resistance drivers.
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