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Product Datasheet

Aldometanib, CAS [[2904601-67-6]]
FBM-10-4445

Artikelname	Aldometanib, CAS [[2904601-67-6]]
Artikelnummer	FBM-10-4445
Hersteller Artikelnummer	10-4445
Alternativnummer	FBM-10-4445-5MG,FBM-10-4445-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Aldolase inhibitor...
Molekulargewicht	593.46
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	White to off-white solid
CAS Nummer	[2904601-67-6]
Formel	C27H43Cl2IN2
Anwendungsbeschreibung	Aldometanib inhibits (IC₅₀ = 50 μM) aldolase by blocking its binding with fructose-1,6-bisphosphate (FBP).¹ It activates lysosomal AMPK and mimics a cellular state of glucose starvation. Aldometanib alleviated fatty liver and nonalcoholic steatohepatitis in mice and extended lifespan. It mitigated inflammation and oxidative stress damage in LPS-treated lung fibroblasts and also inhibited NLRP3-mediated pyroptosis.² Aldometanib inhibited hepatocellular carcinoma in mice in an AMPK-dependent manner.³ It rebalanced the tumor microenvironment allowing cytotoxic CD8+ T cells to infiltrate tumor cells.