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Product Datasheet

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

Article Name	Aldometanib, CAS [[2904601-67-6]]
Biozol Catalog Number	FBM-10-4445
Supplier Catalog Number	10-4445
Alternative Catalog Number	FBM-10-4445-5MG,FBM-10-4445-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Aldolase inhibitor...
Molecular Weight	593.46
Purity	>98% by TLC NMR (Conforms)
Form	White to off-white solid
CAS Number	[2904601-67-6]
Formula	C27H43Cl2IN2
Application Notes	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.