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Product Datasheet

Firsocostat, CAS [[1434635-54-7]] FBM-10-4699

Artikelname	Firsocostat, CAS [[1434635-54-7]]
Artikelnummer	FBM-10-4699
Hersteller Artikelnummer	10-4699
Alternativnummer	FBM-10-4699-5MG,FBM-10-4699-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Allosteric acetyl-CoA carboxylase inhibitor...
Molekulargewicht	569.63
Reinheit	98% by HPLC, NMR (Conforms)
Formulierung	White solid
CAS Nummer	[1434635-54-7]
Formel	C28H31N3O8S

Anwendungsbeschreibung	Potent ($IC_{50} = 1.7 \text{ nM ACC1, } 2.6 \text{ nM ACC2}$) allosteric protein-protein interaction inhibitor of acetyl-CoA carboxylase (ACC).¹ It interacts with the ACC phosphopeptide acceptor and dimerization site to inhibit enzymatic activity resulting in decreased fatty acid synthesis and stimulation of fatty acid oxidation. It reduced hepatic steatosis, improves insulin sensitivity, reduces weight gain, and favorably affects dyslipidemia in rats. Firsocostat decreased hepatic steatosis and fibrosis markers in patients with nonalcoholic fatty liver disease.² Directly impairs profibrogenic activity of hepatic stellate cells (HSC) via prevention of induction of glycolysis and oxidative phosphorylation during HSC activation.³
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