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Product Datasheet

Bempedoic acid, CAS [[738606-46-7]] **FBM-10-4114**

Artikelname	Bempedoic acid, CAS [[738606-46-7]]
Artikelnummer	FBM-10-4114
Hersteller Artikelnummer	10-4114
Alternativnummer	FBM-10-4114-10MG, FBM-10-4114-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	ATP citrate lyase inhibitor...
Molekulargewicht	344.49
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[738606-46-7]
Formel	C19H36O5

Anwendungsbeschreibung	Inhibitor of ATP citrate lyase (ACL) and activator of AMPK used in the treatment of hypercholesterolemia.^{1,2} In vivo, the active molecule is the CoA ester.² Bempedoic acid requires activation by very long-chain acyl-CoA-synthetase (ACSVL1) - the absence of ACSVL1 in skeletal muscle provides a mechanistic basis for its use in statin-intolerant patients.³ LDL receptor upregulation, decreased LDL-C, and attenuation of atherosclerosis activities are independent of AMPK activation. It significantly cuts the risk of major cardiovascular events.⁴ Combination treatment of breast and pancreatic cancer cell lines with bempedoic acid and CDK4/6 inhibitors reduced cell growth and invasion.⁵ It displays anti-inflammatory activity possibly through both ACL inhibition^{6,7} and AMPK activation⁸.
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