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Product Datasheet

CPI-613, CAS [[95809-78-2]]

FBM-10-3519

Artikelname	CPI-613, CAS [[95809-78-2]]
Artikelnummer	FBM-10-3519
Hersteller Artikelnummer	10-3519
Alternativnummer	FBM-10-3519-5MG, FBM-10-3519-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	KGDH and PDH inhibitor...
Molekulargewicht	388.59
Reinheit	98% by TLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[95809-78-2]
Formel	C22H28O2S2
Anwendungsbeschreibung	Lipoic acid analog which potently disrupts mitochondrial metabolism with selectivity for tumor cells in vitro and shows strong antitumor activity in vivo.1 Inhibits alpha-ketoglutarate dehydrogenase (KGDH) by a redox mechanisms selectively in tumor cells.2 Inhibits pyruvate dehydrogenase (PDH) as a mechanistically distinct, non-redox, effect.1,2 A novel anticancer agent with a mitochondria-targeted mode of action with non-genotoxic propertie.3. Has been used (along with PS48) to induce a Warburg-like metabolic state in fibroblasts.4 Combination treatment of CPI-613 and chloroquine inhibits the progression of clear cell sarcoma in a mouse model.5