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Product Datasheet

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

FBM-10-3519

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| 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 | <p>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</p> |