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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> |