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## Product Datasheet

### **Gliocidin, CAS [[62289-81-0]]** **FBM-10-3952**

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| Artikelname              | Gliocidin, CAS [[62289-81-0]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Artikelnummer            | FBM-10-3952                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hersteller Artikelnummer | 10-3952                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Alternativnummer         | FBM-10-3952-5MG,FBM-10-3952-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Produktbeschreibung      | Nicotinamide-mimetic prodrug...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Molekulargewicht         | 204.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reinheit                 | >98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Formulierung             | Pale orange solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CAS Nummer               | [62289-81-0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Formel                   | C10H8N2OS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Anwendungsbeschreibung   | <p>Gliocidin is a nicotinamide-mimetic prodrug that targets de novo purine biosynthesis vulnerability in glioblastoma (IC50 = 150 nM).<sup>1</sup> Gliocidin was converted via the NAD<sup>+</sup> salvage pathway to gliocidin-adenine dinucleotide with directly interfered with the activity of IMPDH2 resulting in guanylate depletion and cell death. Displays strong blood brain barrier permeability and suppression of glioblastoma in athymic nude mice. Gliocidin showed synergistic effects with temozolomide. Inhibitor of the SARS 3CLPRO protease.<sup>2</sup></p> |