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## Product Datasheet

**GNS561, CAS [[1914148-73-4]]**

**FBM-10-4138**

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| Artikelname              | GNS561, CAS [[1914148-73-4]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Artikelnummer            | FBM-10-4138                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hersteller Artikelnummer | 10-4138                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Alternativnummer         | FBM-10-4138-5MG,FBM-10-4138-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Produktbeschreibung      | PPT1 inhibitor/STING activator...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Molekulargewicht         | 459.46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reinheit                 | >98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Formulierung             | White to off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CAS Nummer               | [1914148-73-4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Formel                   | C25H31ClN4HCl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Anwendungsbeschreibung   | <p>GNS561 induces lysosomal dysregulation leading to inhibition of autophagy.<sup>1</sup> It displayed efficacy against intrahepatic cholangiocarcinoma<sup>1</sup> and hepatocellular carcinoma<sup>2</sup>. GNS561 acted as an anti-fibrotic agent against liver fibrosis in a rat model.<sup>3</sup> GNS561-induced cell death is partially caused by inhibition of palmitoyl-protein thioesterase 1 (PPT1) leading to lysosomal dysfunction.<sup>4</sup> GNS561 treatment of prostate and ovarian cancer models enhanced STING expression and activation via PPT1 inhibition leading to infiltration of cytotoxic T cells.<sup>5</sup> GNS561 represents a potentially novel immunotherapy for cold tumors.</p> |