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## Product Datasheet

**DMB, CAS [[281209-71-0]]**  
**FBM-10-3975**

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| Article Name               | DMB, CAS [[281209-71-0]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Biozol Catalog Number      | FBM-10-3975                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Supplier Catalog Number    | 10-3975                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Alternative Catalog Number | FBM-10-3975-5MG,FBM-10-3975-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product Description        | Gasdermin D agonist/GLP-1 agonist...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Molecular Weight           | 348.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity                     | 98% by HPLC , NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form                       | Yellow solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CAS Number                 | [281209-71-0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Formula                    | C13H15Cl2N3O2S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Application Notes          | <p>DMB is a small molecule glucagon-like peptide 1 (GLP-1) ago-allosteric modulator and agonist (EC50 = 101 nM).<sup>1</sup> It significantly stimulated insulin secretion in BRIN-BD11 cells and decreased overall glucose excursion in mice.<sup>2</sup> DMB is a direct and selective gasdermin D (GSDMD) agonist that activates GSDMD pore formation and pyroptosis without cleaving GSDMD (EC50 = 700 nM).<sup>3</sup> It induced pyroptosis in mouse cancer cell lines and induced tumor regression and enhanced antitumor immunity. DMB-treated tumor cells acted as a tumor vaccine in mice indicating that DMB can trigger immunogenic cell death that provides protective antitumor immunity.</p> |