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## Product Datasheet

### LMK235, CAS [[1418033-25-6]] FBM-10-4024

|                          |                                           |
|--------------------------|-------------------------------------------|
| Artikelname              | LMK235, CAS [[1418033-25-6]]              |
| Artikelnummer            | FBM-10-4024                               |
| Hersteller Artikelnummer | 10-4024                                   |
| Alternativnummer         | FBM-10-4024-5MG, FBM-10-4024-25MG         |
| Hersteller               | Focus Biomolecules                        |
| Kategorie                | Biochemikalien                            |
| Produktbeschreibung      | Potent, selective inhibitor of HDAC4/5... |
| Molekulargewicht         | 294.35                                    |
| Reinheit                 | >98% by HPLC NMR (Conforms)               |
| Formulierung             | Off-white solid                           |
| CAS Nummer               | [1418033-25-6]                            |
| Formel                   | C15H22N2O4                                |

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| Anwendungsbeschreibung | <p>Potent and selective inhibitor of HDAC4 (IC<sub>50</sub> = 11.9 nM) and HDAC5 (IC<sub>50</sub> = 4.2 nM).<sup>1</sup> Cytotoxic against human ovarian cancer cell lines A2780 and A2780 CisR (IC<sub>50</sub>s = 0.49 μM and 0.32 μM respectively). It displayed synergistic effects with cisplatin and restored sensitivity in platinum-resistant cell lines.<sup>1,2</sup> LMK235 induced apoptosis in pancreatic neuroendocrine tumor cell lines BON-1 and QGP-13 and in multiple myeloma cells<sup>4</sup>. It also induced autophagy and cell death via SCNN1A downregulation in glioblastoma cells.<sup>5</sup> LMK235 reduced hypertension in mouse and rat models via inhibition of vascular constriction and vessel hypertrophy.<sup>6</sup> LMK235 significantly increased neurite outgrowth via increased BMP-Smad-dependent transcription in SH-SY5Y cells and exerted neuroprotective effects against neurodegeneration induced by MPP<sup>+</sup> suggesting possible therapeutic potential in treating Parkinsons disease.<sup>7</sup></p> |
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