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## Product Datasheet

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

Article Name	LMK235, CAS [[1418033-25-6]]
Biozol Catalog Number	FBM-10-4024
Supplier Catalog Number	10-4024
Alternative Catalog Number	FBM-10-4024-5MG,FBM-10-4024-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Potent, selective inhibitor of HDAC4/5...
Molecular Weight	294.35
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[1418033-25-6]
Formula	C15H22N2O4

Application Notes	<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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