LKT Laboratories, Inc.

LMK-235

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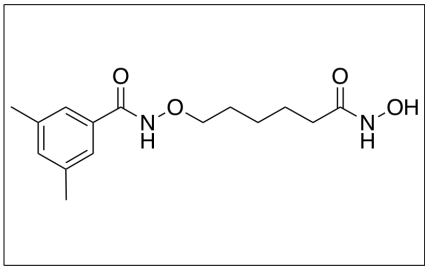
Product Information

Product ID L493400
CAS No. 1418033-25-6
Chemical Name

Synonym LMK235

Formula $C_{15}H_{22}N_2O_4$
Formula Wt. 294.35
Melting Point
Purity ≥98%
Solubility



Bulk quanitites available upon request

Product ID	Size
L493400	5 mg
L493400	25 mg
L493400	100 mg

Store Temp -20°C
Ship Temp Ambient

Description LMK-235 is an HDAC inhibitor, selectively targeting HDAC4 and HDAC5. It induces apoptosis in multiple myeloma cells, a cancer type with a high rate of relapse. This activity is attributed to the downregulation of heme oxygenase-1 (HO-1), which is closely related to HDAC4, as well as increased phosphorylation of JNK.

References

Marek L., Hamacher A., et al. Histone deacetylase (HDAC) inhibitors with a novel connecting unit linker region reveal a selectivity profile for HDAC4 and HDAC5 with improved activity against chemoresistant cancer cells. J Med Chem. 56(2):427-36 (2013). PMID: 23252603.

Li X., Guo Y., et al. Histone deacetylase inhibitor LMK-235-mediated HO-1 expression induces apoptosis in multiple myeloma cells via the JNK/AP-1 signaling pathway. Life Sci. 223:146-157 (2019). PMID: 30876940.