

Product Datasheet

MC3138

Catalog No. **BP-01936** · CAS **1844889-12-8** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-03**

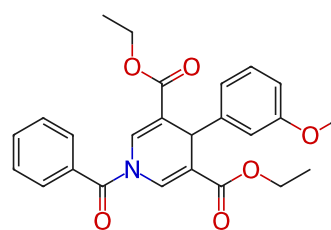
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Target Sirtuin	Research area Cancer
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Molecular formula **C₂₅H₂₅NO₆**

Molecular weight **435.4691**

STRUCTURE



DESCRIPTION

MC3138 is a selective SIRT5 activator. MC3138 has antitumor activity on human PDAC cells, with IC₅₀ values of 25.4-236.9 μM. MC3138 combined with Gemcitabine significantly inhibits tumor growth in mice .

BIOLOGICAL ACTIVITY

MC3138 (10 μM, 24 h) decreases lysine acetylation of the GOT1 protein and inhibits its enzymatic activity in PDAC cells[1].

SOLUBILITY

soluble in DMSO, >50 mg/mL

REFERENCES

[1]. Hu T, et al. Metabolic Rewiring by Loss of Sirt5 Promotes Kras-Induced Pancreatic Cancer Progression. Gastroenterology. 2021 Nov;161(5):1584-1600.

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