

Product Data Sheet

Product Name: ML-209
Cat. No.: GC47687

Chemical Properties

Cas. No. 1334526-14-5

SMILES C[C@@H]1C[C@H](C)CN(C(CC(C2=CC(OCO3)=C3C=C2)C4=C(O)C=C(OC)C=C4OC)=O)C1

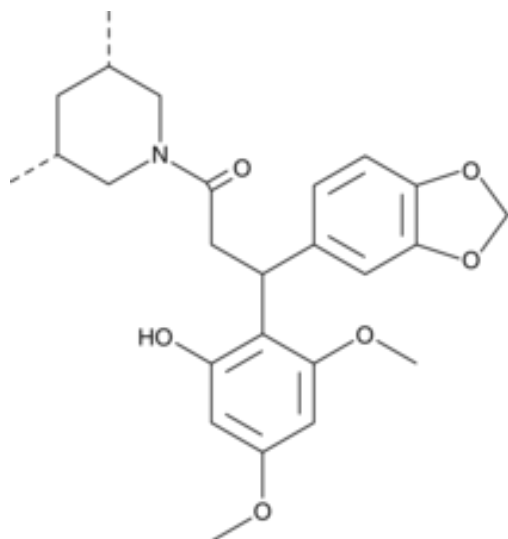
Formula C₂₅H₃₁NO₆ M.Wt 441.5

Solubility DMSO: 100 mM Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

ML-209 is an antagonist of retinoic acid receptor-related orphan receptor γ t (ROR γ t; IC₅₀ = 1.1 μ M in a reporter assay).¹ It inhibits ROR γ t-induced transcription in HEK293T cells expressing the human receptor (IC₅₀ = 300 nM). ML-209 inhibits ROR γ t-dependent differentiation of isolated naïve cord blood human CD4⁺ T cells into Th17 T helper cells.

Caution: Product has not been fully validated for medical applications. For research use only.

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1. Huh, J.R., Englund, E.E., Wang, H., et al. Identification of potent and selective diphenylpropanamide ROR γ inhibitors ACS Med. Chem. Lett. 4(1) 79-84 (2013)

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