

Product Data Sheet

Product Name: ML-179
Cat. No.: GC44215

Chemical Properties

Cas. No. 1883548-87-5

SMILES O=C(N1)N(C2CCCCC2)C(C=C1N(CC3)CCN3C4=CC=CC(C(F)(F)F)=C4)=O

Formula C₂₁H₂₅F₃N₄O₂

M.Wt 422.4

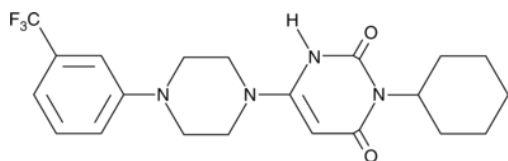
Solubility DMSO: 10 mg/ml

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-179 is a potent inverse agonist of liver receptor homolog-1 (LRH-1) (IC₅₀ = 320 nM) with maximum efficacy of 40% repression. It is inactive at the related steroidogenic factor-1 transcriptional activator. Through LRH-1, ML-180 alters the expression of haptoglobin and serum amyloid proteins A1 and A4, induces the death of estrogen-receptor negative MDA-MB-231 breast cancer cells, and inhibits the steroidogenic acute regulatory promoter (IC₅₀ = 2.12 μM).

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

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