
Product Data Sheet

Product Name: MS 15203

Cat. No.: GC50413

Chemical Properties

Cas. No. 73912-52-4

SMILES CC(C(NC1=CC(C(O)=O)=CC(C(O)=O)=C1)=O)=CFormula C₁₂H₁₁NO₅

M.Wt 249.22

Solubility DMSO : 50 mg/mL (200.63 mM; ultrasonic and warming and heat to 60°C)

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**

Potent and selective GPR171 partial agonist (EC₅₀ = 90 nM; 28% inhibition of forskolin activated adenylyl cyclase activity in rat hypothalamic membranes). Exhibits minimal binding to a panel of ~70 GPCRs and 10 other receptors (<22% of radioligand displaced from the target receptors). Increases neuronal activity in the paraventricular nucleus. Increases food intake and body weight in mice.

Wardman et al (2016) Identification of a small-molecule ligand that activates the neuropeptide receptor GPR171 and increases food intake Sci.Signal. 9 PMID:27245612

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

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