

Product Data Sheet

Product Name: CSF1R-IN-1

Cat. No.: GC33241

Chemical Properties

Cas. No. 2095849-04-8

SMILES CC1=CC=C(NC(C2=CC=CC(C(F)(F)F)=C2)=O)C=C1NC(C3=CC(C4=CN(C)N=C4)=CN=C3)=O

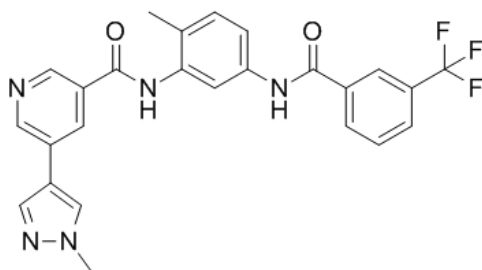
Formula $C_{25}H_{20}F_3N_5O_2$ M.Wt 479.45

Solubility Soluble in DMSO 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

CSF1R-IN-1 is a CSF1R inhibitor with an IC₅₀ of 0.5 nM.

CSF1R is thought to play an important role in recruitment and differentiation of tumor-associated macrophages (TAMs). CSF1R-IN-1 (compound 22) shows good intestinal permeability in a Caco2 assay[1].

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

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CSF1R-IN-1 has favorable pharmacokinetics when dosed orally to mice. It appears suitable for in vivo pharmacology testing in the appropriate preclinical tumor model to demonstrate proof of concept. [1].| Animal Model:|Male CD-1 mice, 25-35 grams (8-11 weeks old)|[1]|Dosage:|2 mg/kg IV or 10 mg/kg orally (Per Os)|Administration:|i.v. or oral|Result:|

[1]. Ramachandran SA, et al. Design, synthesis and optimization of bis-amide derivatives as CSF1R inhibitors. Bioorg Med Chem Lett. 2017 May 15;27(10):2153-2160.

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