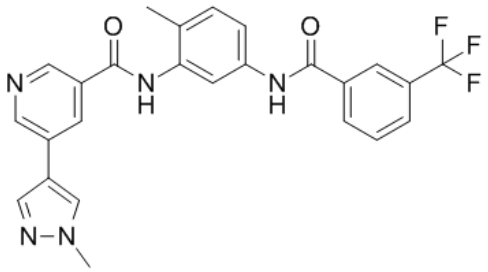
Product Data Sheet

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 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].

Product Data Sheet

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.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA