

Product Name : GW2580

Synonyms : GW-2580

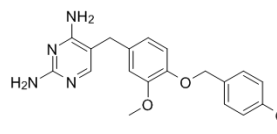
Cat No. : M16324

CAS Number : 870483-87-7

Molecular Formula : C₂₀H₂₂N₄O₃

Formula Weight : 366.41

Chemical Name : 2,4-Pyrimidinediamine, 5-[[3-methoxy-4-[(4-methoxyphenyl)methoxy]phenyl]methyl]-



Description : A potent, selective c-Fms (CSF1R) inhibitor that completely inhibits human cFMS kinase in vitro at 60 nM; 150- to 500-fold selective compared to 26 other kinases (cKIT, cSRC, EGFR, etc.); completely inhibits the growth of CSF-1-dependent mouse myeloid M-NFS-60 cells at 0.7 uM; inhibits LPS-induced TNF production in mice and orally bioavailable.

Pathway : Tyrosine Kinase

Target : CSF1R

Receptor : c-Fms

Solubility : DMSO: 17.5 mg/mL

SMILES : NC1=NC=C(C(=CC=C(C(=CC3=CC=C(C(OC)=C3)C(OC)=C2)C(N)=N1)OCC3=CC=C(C(OC)=C3)C(OC)=C2)C(N)=N1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Conway JG, et al. Proc Natl Acad Sci U S A. 2005 Nov 1;102(44):16078-83. 2. Conway JG, et al. J Pharmacol Exp Ther. 2008 Jul;326(1):41-50. 3. Priceman SJ, et al. Blood. 2010 Feb 18;115(7):1461-71.