

AC708

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	AC708 is a small molecule CSF1R inhibitor that effectively inhibits CSF1R phosphorylation mediated by CSF-1 (IC50 = 26 nM) and IL-34 (IC50 = 33 nM). It also inhibited the activity of growth factor-dependent cells cultured in CSF-1 (IC50 = 38 nM) or IL-34 (IC50 = 40 nM) and inhibited the differentiation and survival of primary human osteoclasts mediated by CSF-1 (IC50 = 15nM). AC708 showed significant specificity in kinase selectivity tests against CSF1R and the closely related PDGFR family of receptors PDGFR α and β , FLT3 and KIT.
Targets(IC50)	Others

Reference

Armstrong, R. C.; et. al. Abstract 903: AC708 is a potent and selective inhibitor of CSF1R and reduces tumor associated macrophage infiltration in a breast tumor model. Cancer Res 2013, 73, 903.

<http://ayurajan.blogspot.com/2015/11/drugs-in-clinical-pipeline-ac708.html>

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481