

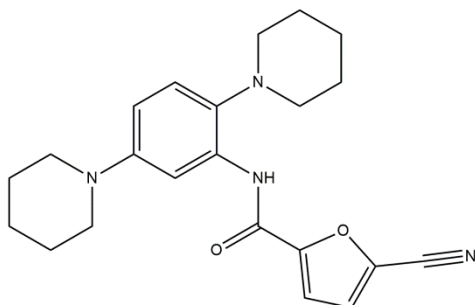
cFMS Receptor Inhibitor IV

10/19

ALTERNATE NAMES: cFMS Receptor Tyrosine Kinase Inhibitor; 5-cyano-N-(2,5-di(piperidin-1-yl)phenyl)furan-2-carboxamide; CSF-1 Receptor Inhibitor IV

CATALOG #: B2922-5 5 mg
B2922-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₂₆N₄O₂

MOLECULAR WEIGHT: 378.47

CAS NUMBER: 959626-45-0

APPEARANCE: Solid

PURITY: 97%

SOLUBILITY: 5 mg/ml in DMSO

DESCRIPTION: cFMS Receptor Inhibitor IV is a furan carboxamide compound that is a potent, reversible, and ATP-competitive inhibitor of cFMS (Colony-stimulating Factor-1 Receptor) Tyrosine Kinase. It blocks cFMS autophosphorylation in CSF-1/M-CSF-stimulated HEK-293 cells and in cell-free *in vitro* kinase assays with IC₅₀ values of 76 nM and 17 nM respectively.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES: Patch, R.J., Brandt, B.M., Asgari, D. et al. Potent 2'-aminoanilide inhibitors of cFMS as potential anti-inflammatory agents. *Bioorg Med Chem Lett.* 7(22):6070-4 (2007).

RELATED PRODUCTS:

Altenusin, *Penicillium* sp. (Cat. No. 2146)
 BLZ-945 (Cat. No. B1651)
 GW2580 (Cat. No. 1740)
 M-CSF, human recombinant (Cat. No. 4237)
 EZSolution™ GW2580 (Cat. No. 2549)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***