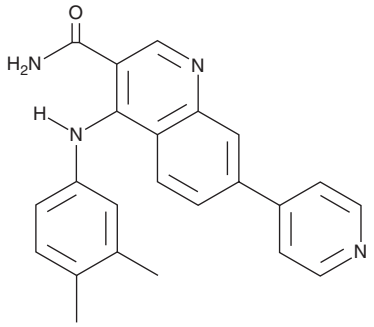
PRODUCT INFORMATION

cFMS Receptor Inhibitor II

Item No. 46409



CAS Registry No.:	959860-85-6
Formal Name:	4-[(3,4-dimethylphenyl)amino]-7-(4-pyridinyl)-3-quinolinecarboxamide
MF:	$C_{23}H_{20}N_4O$
FW:	368.4
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

cFMS receptor inhibitor II is supplied as a solid. A stock solution may be made by dissolving the cFMS receptor inhibitor II in the solvent of choice, which should be purged with an inert gas. cFMS receptor inhibitor II is soluble (≥10 mg/ml) in DMSO.

Description

cFMS receptor inhibitor II is an inhibitor of CSF-1 receptor (FMS; IC_{50} = 0.08 µM).[1] It inhibits the proliferation of M-NSF-60 mouse lymphoblast cells that express macrophage colony stimulating factor 1 (M-CSF) but not NSO mouse multiple myeloma cells that do not express M-CSF (IC_{50}s = 0.1 and >50 µM, respectively).

Reference

1. Smalley, T.L., Jr., Chamberlain, S.D., Mills, W.Y., *et al.* Synthesis of novel anilinoquinolines as c-fms inhibitors. *Bioorg. Med. Chem. Lett.* **17(22)**, 6257-6260 (2007).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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