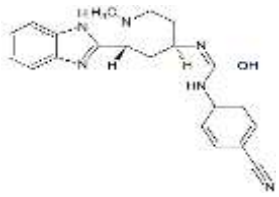
PF-04449913

ALTERNATE NAME: N-[(2R,4R)-2-(1H-benzimidazol-2-yl)-1-methyl-4-piperidinyl]-N'-(4-cyanophenyl)-urea

CATALOG #:
B2467-1 1 mg
B2467-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{21}H_{22}N_6O$

MOLECULAR WEIGHT: 374.4

CAS NUMBER: 1095173-27-5

APPEARANCE: Crystalline solid

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C.

SOLUBILITY: ~20 mg/ml DMSO

DESCRIPTION: PF-04449913 is a potent and orally bioavailable smoothened (SMO) inhibitor. PF-04449913 binds to human SMO with an IC_{50} of 4 nM. It has been shown to attenuate leukemia stem cell self-renewal and cell cycle progression in primary acute myeloid leukemia cells and in an in vivo Drosophila model.

REFERENCES:
Munchhof, M.J., et al. (2011). ACS Med. Chem. Lett. 3(2), 106-111.

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

RELATED PRODUCTS:

Smo Antagonist, SA9 (2155)
SANT-1 (1978)
LY-2940680 (9604)
LDE-225 (2892)
Smo Antagonist, SA10 (2159)
Smo Antagonist, SA1 (2154)

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