
Product Data Sheet

Product Name: PF 04449913 maleate

Cat. No.: GC50491

Chemical Properties

Cas. No. 2030410-25-2

SMILES OC(/C=C\C(O)=O)=O.CN1CC[C@@H](NC(NC2=CC=C(C#N)C=C2)=O)C[C@@H]1C3=NC4=CC=CC=C4N3

Formula C21H22N6O.C4H4O4 M.Wt 490.51

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Potent Smo antagonist (IC50 = 5 nM). Attenuates the leukemia-initiation potential of AML cells in a serial transplantation mouse model. Also eliminates self-propagation capacity of AML cells.

Munchhof et al (2011) Discovery of PF-04449913, a potent and orally bioavailable inhibitor of smoothened. ACS Med.Chem.Lett. 3 106 PMID:24900436 | Fukushima et al (2016) Small-molecule Hedgehog inhibitor attenuates the leukemia-initiation potential of acute myeloid leukemia cells. Cancer Sci. 107 1422 PMID:27461445 | Giordani et al (2016) The human Smoothened inhibitor PF-04449913 induces exit from quiescence and loss of multipotent Drosophila hematopoietic progenitor cells. Oncotarget 7 55313 PMID:27486815

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
