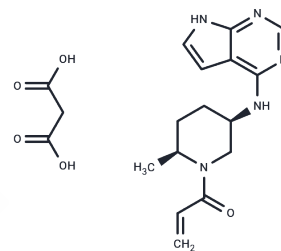


PF-06651600 malonate

Chemical Properties

CAS No. : 2140301-97-7
 Formula: C₁₈H₂₃N₅O₅
 Molecular Weight: 389.41
 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	PF-06651600 is a potent and selective JAK3 inhibitor.
Targets(IC50)	Others,STAT,Interleukin,JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.568 mL	12.8399 mL	25.6799 mL
5 mM	0.5136 mL	2.568 mL	5.136 mL
10 mM	0.2568 mL	1.284 mL	2.568 mL
50 mM	0.0514 mL	0.2568 mL	0.5136 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- D'Amico F, Fiorino G, Furfaro F, Allocca M, Danese S. Janus kinase inhibitors for the treatment of inflammatory bowel diseases: developments from phase I and phase II clinical trials. *Expert Opin Investig Drugs*. 2018 Jul;27(7): 595-599. doi: 10.1080/13543784.2018.1492547. Epub 2018 Jul 6. Review. PubMed PMID: 29938545.
- Robinette ML, Cella M, Telliez JB, Ulland TK, Barrow AD, Capuder K, Gilfillan S, Lin LL, Notarangelo LD, Colonna M. Jak3 deficiency blocks innate lymphoid cell development. *Mucosal Immunol*. 2018 Jan;11(1):50-60. doi: 10.1038 /mi.2017.38. Epub 2017 May 17. PubMed PMID: 28513593; PubMed Central PMCID: PMC5693788.
- Thorarensen A, Dowty ME, Banker ME, et al. Design of a Janus Kinase 3 (JAK3) Specific Inhibitor 1-((2S,5R)-5-((7H-Pyrrolo[2,3-d]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop -2-en-1-one (PF-06651600) Allowing for the Interrogation of JAK3 Signaling in Humans. *J Med Chem*. 2017 Mar 9;60(5):1971-1993. doi: 10.1021/acs.jmedchem. 6b01694. Epub 2017 Feb 16. PubMed PMID: 28139931.
- Telliez JB, Dowty ME, Wang L, Jussif J, Lin T, Li L, Moy E, Balbo P, Li W, Zhao Y, Crouse K, Dickinson C, Symanowicz P, Hegen M, Banker ME, Vincent F, Unwalla R, Liang S, Gilbert AM, Brown MF, Hayward M, Montgomery J, Yang X, Bauman J, Trujillo JI, Casimiro-Garcia A, Vajdos FF, Leung L, Geoghegan KF, Quazi A, Xuan D, Jones L, Hett E, Wright K, Clark JD, Thorarensen A. Discovery of a JAK3-Selective Inhibitor: Functional Differentiation of JAK3-Selective Inhibition over pan-JAK or JAK1-Selective Inhibition. *ACS Chem Biol*. 2016 Dec 16;11(12):3442-3451. Epub 2016 Nov 10. PubMed PMID: 27791347.

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