

Cyclopropanecarboxamide, N-[5-[4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl][1,2,4]triazolo[1,5-a]pyridin-2-yl]-

CAS Registry No.: 1206161-97-8

Smiles String:

c1cc(n2c(c1)nc(n2)NC(=O)C3CC3)c4ccc(cc4)CN5CCS(=O)(=O)CC5

Molecular Weight: 425.5

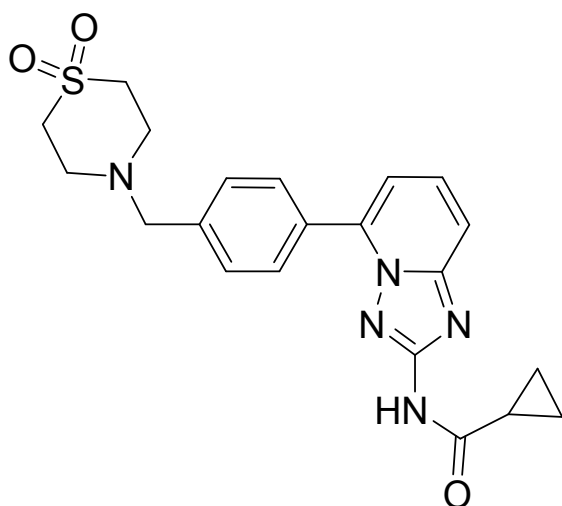
Molecular Formula: C₂₁H₂₃N₅O₃S

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

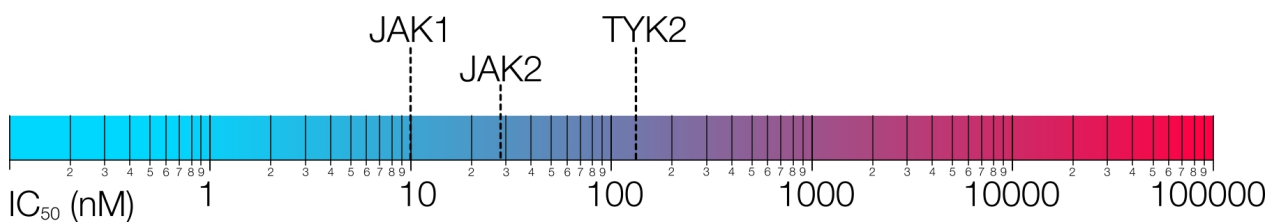
ES-MS: Available on request



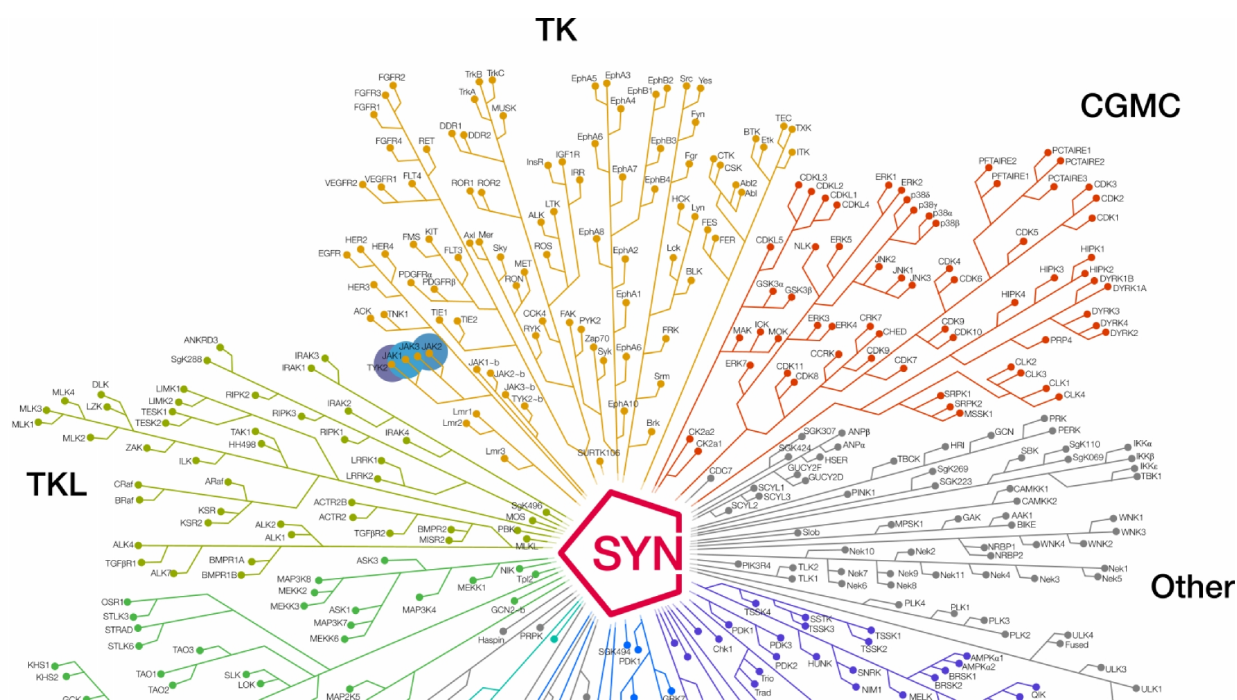
Description:

GPLG0634 is a novel and specific inhibitor of JAK1 and JAK2 with IC₅₀ of 10nM and 28nM respectively measured by in vitro kinase assays (ATP 2uM). In particular GPLG0634, while being a potent inhibitor of JAK1 and JAK2 does not inhibit TYK2 or JAK3, and GPLG0634 exhibits a dramatically improved in vivo potency over structurally similar compounds. In the GPLG0634 original patent, the inventors claim that the compound may be used for the prevention of variety of conditions in animals including inflammatory conditions, autoimmune diseases, proliferative diseases, transplant rejection, diseases involving impairment of cartilage turnover, congenital cartilage malformation and/or diseases associated with hypersecretion of IL-6.

Biological Activity



Kinome Mapping



Shipping and Storage Temperature

Shipping:
Ambient

Storage:
2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

15 mM in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4255	4.2550	8.5100	21.2750

References

1. <http://www.freepatentsonline.com/WO2010149769A1.pdf>.

Ordering Information

To order more of this or any other SYNkinase compound, go to synkinase.com, Call us Toll Free (US Only) at 1- 877-854-6273 or email orders@synkinase.com.

Product Datasheet (Rev. 1.1)