

BGT-226 maleate

SYN-1178

8-(6-methoxypyridin-3-yl)-3-methyl-1-(4-(piperazin-1-yl)-3-(trifluoromethyl)phenyl)-1H-imidazo[4,5-c]quinolin-2(3H)-one maleate

CAS Registry No.: 1245537-68-1

Smiles String:

O=C1N(C2=CC(C(F)(F)F)=C(N3CCNCC3)C=C2)C4=C(N1C)C=NC5=CC=C(C6=CC=C(OC)N=C6)C=C54.O=C(O)/C=C\C(O)=O

Molecular Weight: 650.6

Molecular Formula:

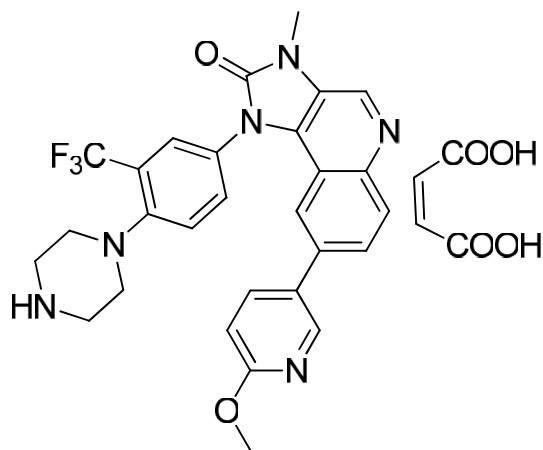
C₂₈H₂₅F₃N₆O₂.C₄H₄O₄

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

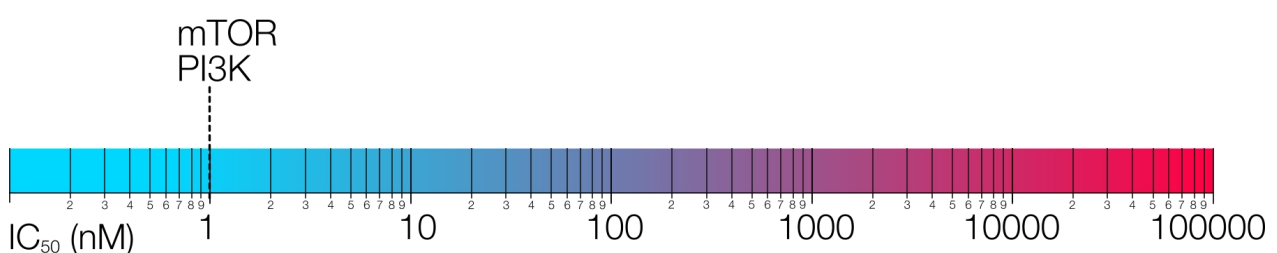
ES-MS: Available on request



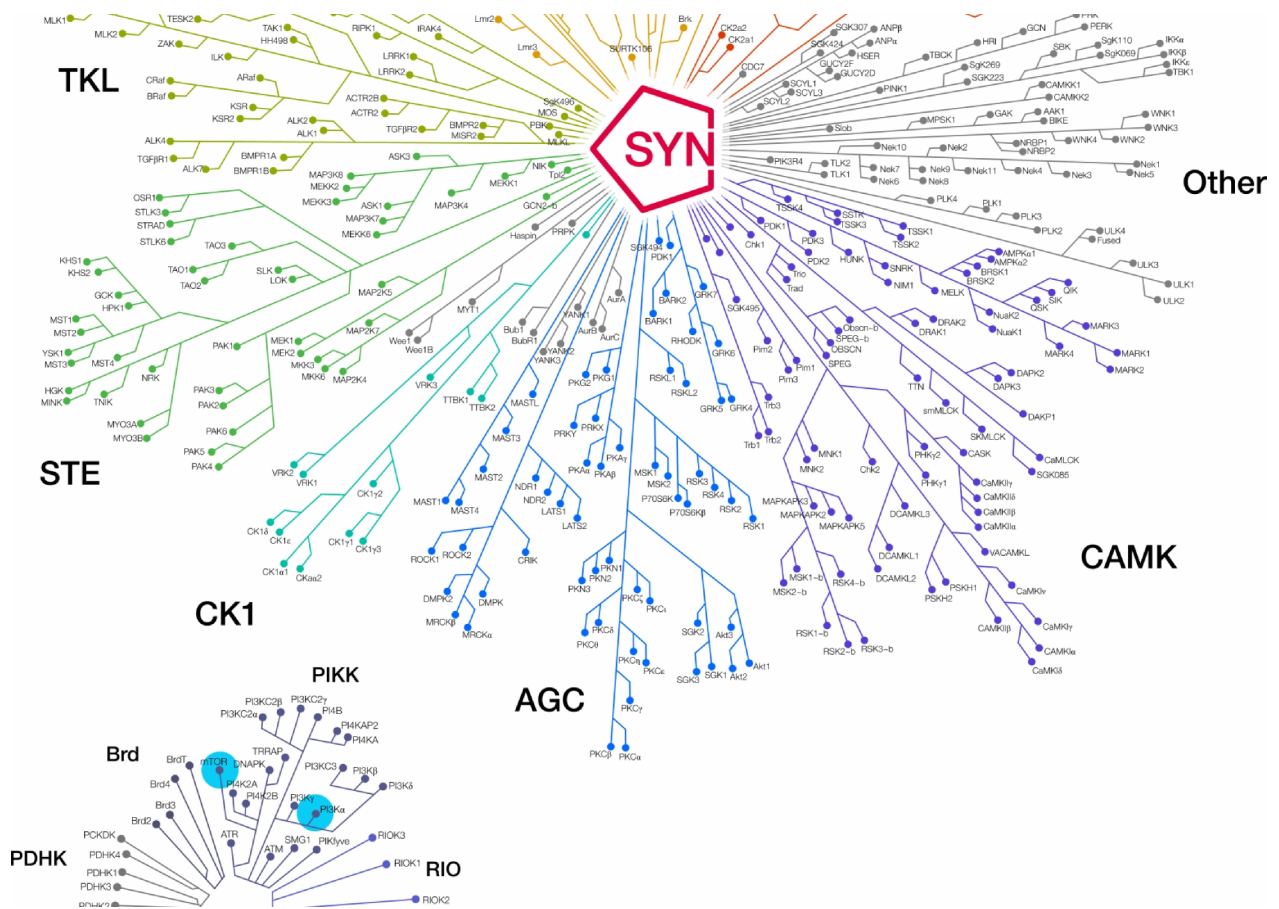
Description:

NVP-BGT226 is a novel, orally bioavailable small-molecule inhibitor of phosphoinositol-3-kinase and mammalian target of rapamycin with an IC₅₀ of 1 nM.

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

DMSO 30mg/mL, Ethanol <1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.6506	6.5060	13.0120	32.5300

References

1. Baumann P, Schneider L, Mandl-Weber S, Oduncu F, Schmidmaier R. Simultaneous targeting of PI3K and mTOR with NVP-BGT226 is highly effective in multiple myeloma. *Anticancer Drugs*. 2012 Jan;23(1):131-8. doi: 10.1097/CAD.0b013e32834c8683.

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)