

NVP-BSK805 2HCl

SYN-1136

8-(3,5-difluoro-4-(morpholinomethyl)phenyl)-2-(1-(piperidin-4-yl)-1H-pyrazol-4-yl)quinoxaline dihydrochloride

CAS Registry No.: 1092499-93-8 (free base)

Smiles String:

C1CNCCC1N2C=C(C=N2)C3=NC4=C(C=CC=C4N=C3)C5=CC(=C(C(=C5)F)CN6CCOCC6)F.Cl.Cl

Molecular Weight: 563.47

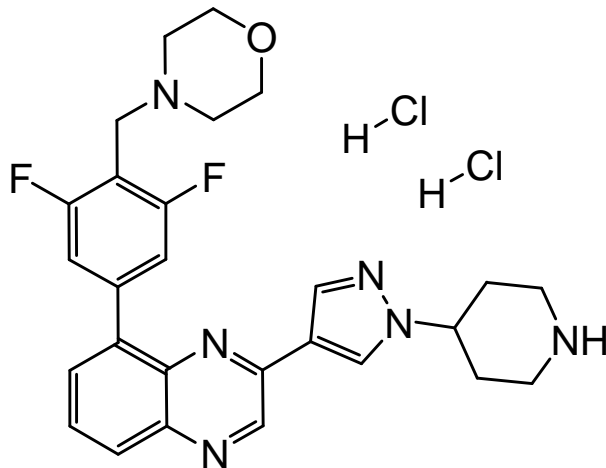
Molecular Formula: C₂₇H₂₈F₂N₆O.2HCl

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

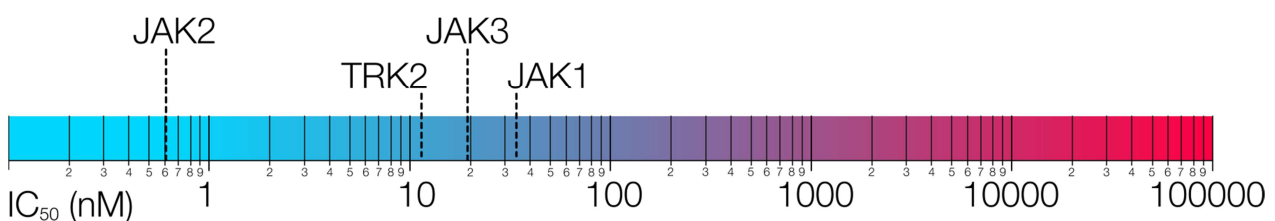
ES-MS: Available on request



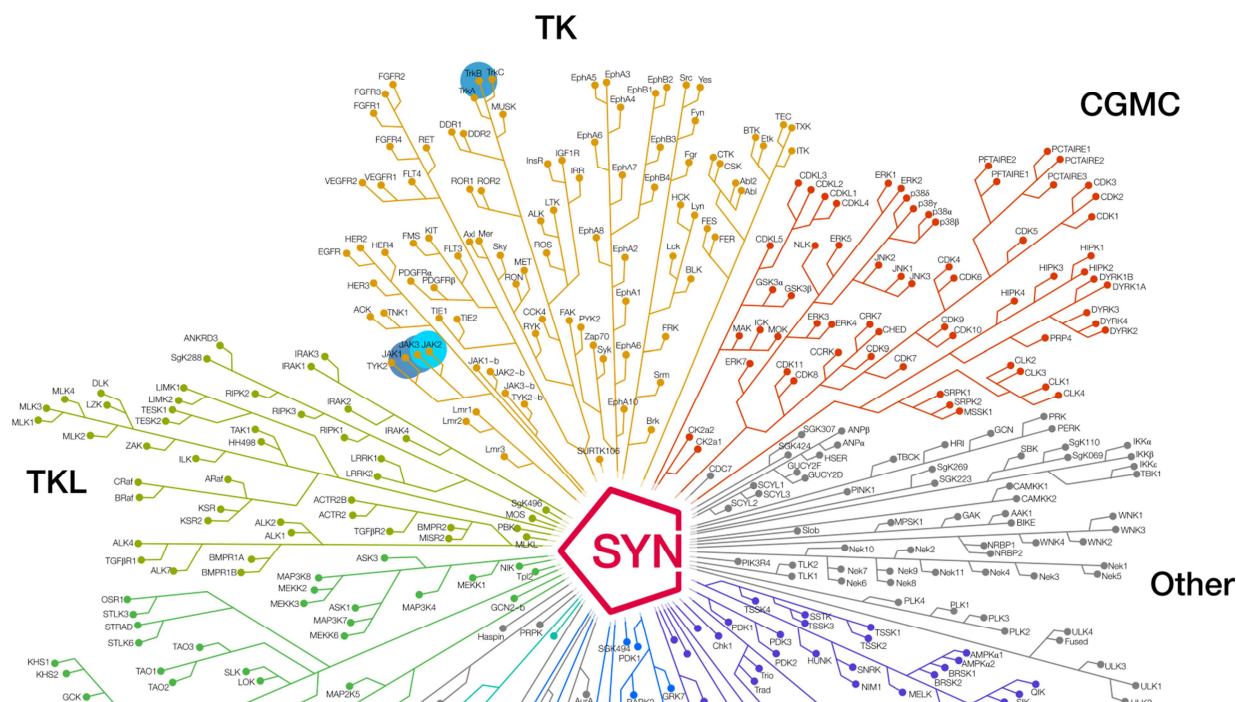
Description:

NVP-BSK805 is a potent and selective quinoxaline JAK2 inhibitor with IC₅₀ values of 0.48, 0.56 and 0.58 nM for JAK2 JH1, FL JAK (V617F) and FL JAK2 wt, respectively.

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 113mg/mL, Ethanol 15mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5635	5.6350	11.2700	28.1750

References

1. Baffert F, Régnier CH, De Pover A, Pissot-Soldermann C, Tavares GA, Blasco F, Brueggen J, Chène P, Druectes P, Erdmann D, Furet P, Gerspacher M, Lang M, Ledieu D, Nolan L, Ruetz S, Trappe J, Vangrevelinghe E, Wartmann M, Wyder L, Hofmann F, Radimerski T. Potent and selective inhibition of polycythemia by the quinoxaline JAK2 inhibitor NVP-BSK805. *Mol Cancer Ther.* 2010 Jul;9(7):1945-55. doi: 10.1158/1535-7163.MCT-10-0053. Epub 2010 Jun 29.
2. Ringel F, Kaeda J, Schwarz M, Oberender C, Grille P, Dörken B, Marque F, Manley PW, Radimerski T, le Coutre P. Effects of Jak2 Type 1 Inhibitors NVP-BSK805 and NVP-BVB808 on Jak2 Mutation-Positive and Bcr-Abl-Positive Cell Lines. *Acta Haematol.* 2014;132(1):75-86. doi: 10.1159/000356784. Epub 2014 Jan 31.

Ordering Information

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Product Datasheet (Rev. 1.1)