

# JNJ-7706621

# SYN-1048

4-(5-amino-1-(2,6-difluorobenzoyl)-1H-1,2,4-triazol-3-ylamino)benzenesulfonamide

CAS Registry No.: 443797-96-4

Smiles String:

c1cc(c(c(c1)F)C(=O)n2c(nc(n2)Nc3ccc(cc3)S(=O)(=O)N)N)F

Molecular Weight: 394.36

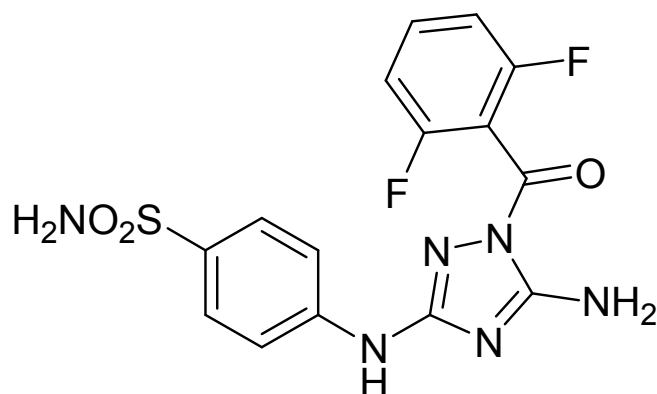
Molecular Formula: C<sub>15</sub>H<sub>12</sub>F<sub>2</sub>N<sub>6</sub>O<sub>3</sub>S

Lot Number: Refer to vial

<sup>1</sup>H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

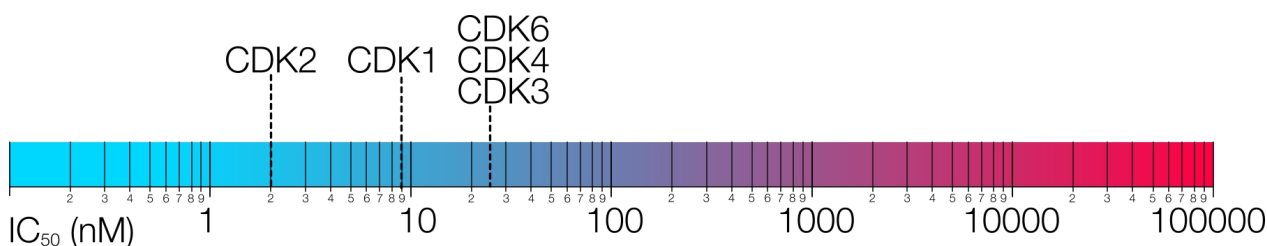
ES-MS: Available on request



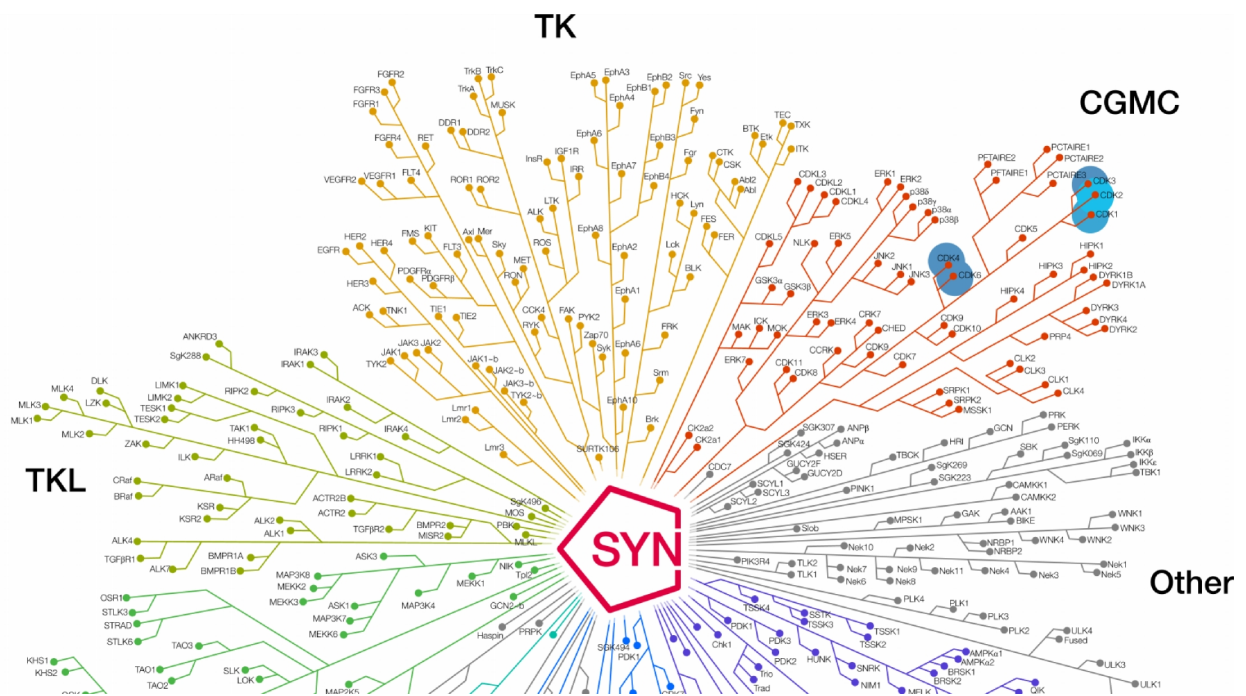
## Description:

JNJ-7706621 is a dual inhibitor of cyclin-dependent kinases (CDK) and Aurora kinases. It demonstrates highest potency on CDK1/2 with IC<sub>50</sub> values of 9 nM and 4 nM respectively. It shows more than 6-fold selectivity for CDK1/2 over CDK3/4/6.

## 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

DMSO 79mg/mL, Ethanol 1mg/mL

## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3944	3.9440	7.8880	19.7200

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## References

1. Emanuel S, Rugg CA, Gruninger RH, Lin R, Fuentes-Pesquera A, Connolly PJ, Wetter SK, Hollister B, Kruger WW, Napier C, Jolliffe L, Middleton SA . The in vitro and in vivo effects of JNJ-7706621: a dual inhibitor of cyclin-dependent kinases and aurora kinases. Cancer Res. 2005 Oct 1;65(19):9038-46.

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## Ordering Information

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

Product Datasheet (Rev. 1.1)