

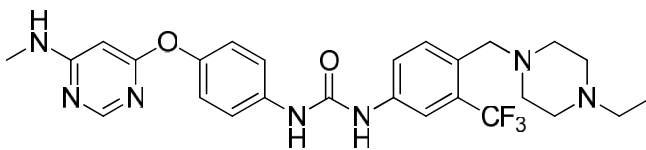
AST-487**SYN-1210**

1-(4-((4-ethylpiperazin-1-yl)methyl)-3-(trifluoromethyl)phenyl)-3-(4-((6-(methylamino)pyrimidin-4-yl)oxy)phenyl)urea

CAS Registry No.: 630124-46-8

Smiles String:

CNC1=NC=NC(OC2=CC=C(NC(NC3=CC=C(C(N4CCN(CC)CC4)C(C(F)(F)F)=C3)=O)C=C2)=C1



Molecular Weight: 529.6

Molecular Formula: C₂₆H₃₀F₃N₇O₂

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

Description:

AST 487 displays high selectivity and potency toward FLT3 as a molecular target, and which could potentially be used to override drug resistance in AML.

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

Soluble in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5296	5.2960	10.5920	26.4800

References

1. Weisberg E, Roesel J, Bold G, Furet P, Jiang J, Cools J, Wright RD, Nelson E, Barrett R, Ray A, Moreno D, Hall-Meyers E, Stone R, Galinsky I, Fox E, Gilliland G, Daley JF, Lazo-Kallanian S, Kung AL, Griffin JD. Antileukemic effects of the novel, mutant FLT3 inhibitor NVP-AST487: effects on PKC412-sensitive and -resistant FLT3-expressing cells. *Blood*. 2008 Dec 15;112(13):5161-70. doi: 10.1182/blood-2008-02-138065. Epub 2008 Sep 26. PubMed PMID: 18820131; PubMed Central PMCID: PMC2597611.

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)