



Product Information

NAMPT inhibitor, STF 118804, Purity $\geq 98\%$

Cat. No.: X24-09-YM468

Size: 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD14918065

CAS Number: 894187-61-2

Compound CID: 20916937

Synonym: 894187-61-2; STF118804; STF-118804;

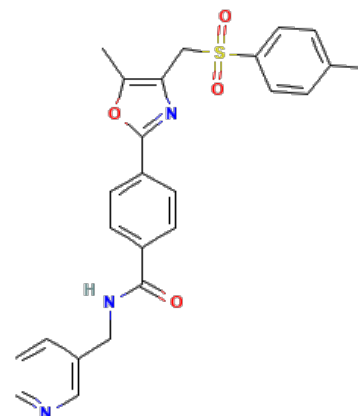
4-(5-Methyl-4-(tosylmethyl)oxazol-2-yl)-N-(pyridin-3-ylmethyl)benzamide;

4-[5-Methyl-4-[(4-meth

ylphenyl)sulfonylmethyl]-1,3-oxazol-2-yl]-N-(pyridin-3-ylmethyl)benzamide; NAMPT

inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	STF 118804, soluble in DMSO and insoluble in water and ethanol, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting NAMPT. The molecular weight of the compound is 461.53, and its molecular formula is C ₂₅ H ₂₃ N ₃ O ₄ S.
Molecular Weight	461.53
Molecular Formula	C ₂₅ H ₂₃ N ₃ O ₄ S
IUPAC Name	4-[5-Methyl-4-[(4-methylphenyl)sulfonylmethyl]-1,3-oxazol-2-yl]-N-(pyridin-3-ylmethyl)benzamide
InChI	InChI=1S/C25H23N3O4S/c1-17-5-11-22(12-6-17)33(30,31)16-23-18(2)32-25(28-23)21-9-7-20(8-10-21)24(29)27-15-19-4-3-13-26-14-19/h3-14H,15-16H2,1-2H3,(H,27,29)
InChI Key	DLFCEZOMHBPDGI-UHFFFAOYSA-N
Canonical SMILES	CC1=CC=C(C=C1)S(=O)(=O)CC2=C(OC(=N2)C3=CC=C(C=C3)C(=O)NCC4=CN=CC=C4)C
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 53 mg/mL (114.83 mM); Water: insoluble; Ethanol: insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade



Applications

STF 118804 can be studied extensively for its potential therapeutic applications in the treatment of cancers that exhibit MET overexpression or activation.

Storage

Store at -20°C, and keep desiccated.
