

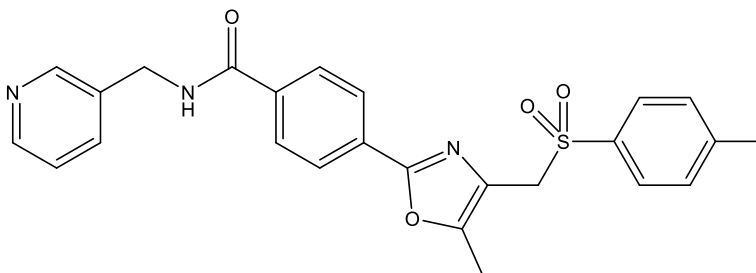
Catalog # 10-5640

STF-118804

CAS# 894187-61-2

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

Lot # X109283



Potent and selective next generation inhibitor of nicotinamide phosphoribosyl transferase (NAMPT), inhibiting NAD⁺ biosynthesis from nicotinamide.¹ It reduced the viability of most B-ALL cells with high potency (low nM range), eliminates leukemia stem cells from mouse bone marrow and induces regression of ALL xenografts.¹ It induces apoptosis and reduced neuroblastoma stem cell neurosphere formation in high-risk neuroblastoma cell lines.² STF-118804 reduces the growth of pancreatic ductal adenocarcinoma cells.³

- 1) Matheny *et al.* (2013), *Next-generation NAMPT inhibitors identified by sequential high-throughput phenotypic chemical and functional genomic screens*; Chem. Biol. **20** 1352
- 2) Vallejo *et al.* (2020), *NAMPT Inhibition induces Neuroblastoma Cell Death and Blocks Tumor Growth*; Front. Oncol. **12** 883318
- 3) Espindola-Netto *et al.* (2017), *Preclinical efficacy of the novel competitive NAMPT inhibitor STF-118804 in pancreatic cancer*; Oncotarget **8** 85054

PHYSICAL DATA

Molecular Weight:	461.54
Molecular Formula:	C ₂₅ H ₂₃ N ₃ O ₄ S
Purity:	>98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (45 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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