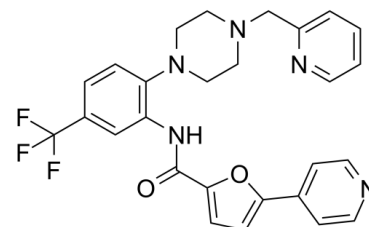


Data Sheet

Product Name:	SPHINX31
Cat. No.:	CS-0066777
CAS No.:	1818389-84-2
Molecular Formula:	C ₂₇ H ₂₄ F ₃ N ₅ O ₂
Molecular Weight:	507.51
Target:	SRPK
Pathway:	Cell Cycle/DNA Damage
Solubility:	DMSO : 17.33 mg/mL (34.15 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

SPHINX31 is a potent and selective inhibitor of **serine/arginine-rich protein kinase 1 (SRPK1)**, with an **IC₅₀** of 5.9 nM. SPHINX31 inhibits phosphorylation of serine/arginine-rich splicing factor 1 (SRSF1). SPHINX31 is a potential topical therapeutic for neovascular eye disease^[1]. IC₅₀ & Target: IC₅₀: 5.9 nM (SRPK1)^[1].

References:

[1]. Batson J, et al. Development of Potent, Selective SRPK1 Inhibitors as Potential Topical Therapeutics for Neovascular Eye Disease. ACS Chem Biol. 2017 Mar 17;12(3):825-832.

CAIndexNames:

2-Furancarboxamide, 5-(4-pyridinyl)-N-[2-[4-(2-pyridinylmethyl)-1-piperazinyl]-5-(trifluoromethyl)phenyl]-

SMILES:

O=C(NC1=C(N2CCN(CC3=CC=CC=N3)CC2)C=CC(C(F)(F)F)=C1)C4=CC=C(O4)C5=CC=NC=C5

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA