SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

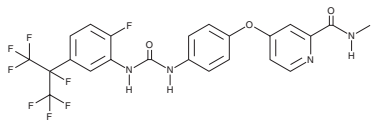
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

APS6-45

Item No. 38417

CAS Registry No.:	2188236-41-9
Formal Name:	4-[4-[[[[2-fluoro-5-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]amino]carbonyl]amino]phenoxy]-N-methyl-2-pyridinecarboxamide
MF:	$C_{23}H_{16}F_8N_4O_3$
FW:	548.4
Purity:	≥98%
UV/Vis.:	λ_{max}: 260 nm
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

APS6-45 is supplied as a solid. A stock solution may be made by dissolving the APS6-45 in the solvent of choice, which should be purged with an inert gas. APS6-45 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of APS6-45 in ethanol and DMSO is approximately 10 mg/ml and approximately 5 mg/ml in DMF.

Description

APS6-45 is an inhibitor of RET^{M918T} and a derivative of sorafenib (Item No. 10009644 | 35612).[1] It selectively binds to RET^{M918T} over Eph tyrosine kinase receptor A8 (EphA8), p38δ, JNK2, and c-Src (K_ds = 28, 410, 940, 1,500, and 1,700 nM, respectively), as well as a panel of over 60 kinases at 10 µM, but also binds to cyclin-dependent kinase 14 (Cdk14), MAP4K4, and protein tyrosine kinase 5 (PTK5; K_ds = 55, 130, and 140 nM, respectively). It inhibits TT medullary thyroid carcinoma cell colony formation when used at a concentration of 30 nM. APS6-45 (10 mg/kg per day) decreases tumor volume in a TT mouse xenograft model. It increases survival to adulthood in *Drosophila* expressing the lethal Ret^{M955T} mutation in a concentration-dependent manner. APS6-45 (100 µM) prevents the development of a rough-eye phenotype induced by Ret^{M955T} in *Drosophila*.

Reference

1. Shonoshita, M., Scopton, A.P., Ung, P.M.U., *et al.* A whole-animal platform to advance a clinical kinase inhibitor into new disease space. *Nat. Chem. Biol.* **14(3)**, 291-298 (2018).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM