Product Information

STF-62247
Item No. 13084

CAS Registry No.: 315702-99-9
Formal Name: N-(3-methylphenyl)-4-(4-pyridinyl)-2-thiazolamine
MF: C_{15}H_{13}N_{3}S
FW: 267.3
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max}: 246, 296 nm

Laboratory Procedures
For long term storage, we suggest that STF-62247 be stored as supplied at -20°C. It should be stable for at least two years.

STF-62247 is supplied as a crystalline solid. A stock solution may be made by dissolving the STF-62247 in an organic solvent purged with an inert gas. STF-62247 is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of STF-62247 in these solvents is approximately 25 mg/ml.

STF-62247 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, STF-62247 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. STF-62247 has a solubility of approximately 0.2 mg/ml in a 1:5 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

STF-62247 is a small molecule agonist that induces autophagy and selectively causes lethality in renal cell carcinoma (RCC) cells that have lost the von Hippel-Lindau (VHL) tumor suppressor activity (IC_{50} = 625 nM). It significantly reduces the growth rate of tumors formed from VHL-deficient cells in mice. STF-62247 induces cytotoxicity in VHL-positive RCC cells only at higher concentrations (IC_{50} = 16 μM).

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/13084

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY; NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent to your institution.

WARRANTY AND LIMITATION OF REMEDY
Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery. Cayman will carry out all of its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

The limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees. Buyer’s exclusive remedy and Cayman’s sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman’s option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

Cayman Chemical
Mailing address
1180 E. Ellsworth Road
Ann Arbor, MI
48108 USA
Phone
(800) 364-9897
(734) 971-3335
Fax
(734) 971-3640
E-Mail
custserv@caymanchem.com
Web
www.caymanchem.com