



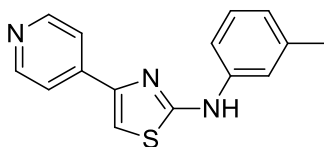
**Catalog # 10-1375**

**STF-62247**

CAS# 315702-99-9

N-(3-Methylphenyl)-4-(4-pyridinyl)-2-thiazolamine

Lot # X104626



Specifically induces autophagic cell death in VHL (von Hippel-Lindau)-deficient renal carcinoma cells both *in vitro* (IC<sub>50</sub>=625 nM) and *in vivo*. Renal cell carcinoma cell lines were radiosensitized by induction of autophagy following treatment with STF-62247. Cell permeable.

- 1) Turcotte *et al.* (2008), *Targeted therapy for the loss of von Hippel-Lindau in renal cell carcinoma: a novel molecule that induces autophagic cell death*; *Autophagy*, **4** 944
- 2) Chan *et al.* (2008), *Targeting cancer cells by synthetic lethality: autophagy and VHL in cancer therapeutics*; *Cell Cycle*, **7** 2987
- 3) Anbalagan *et al.* (2012), *Radiosensitization of renal cell carcinoma in vitro through the induction of autophagy*; *Radiother. Oncol.*, **103** 388

**PHYSICAL DATA**

Molecular Weight:	267.35
Molecular Formula:	C <sub>15</sub> H <sub>13</sub> N <sub>3</sub> S
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied desiccated at room temperature 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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