



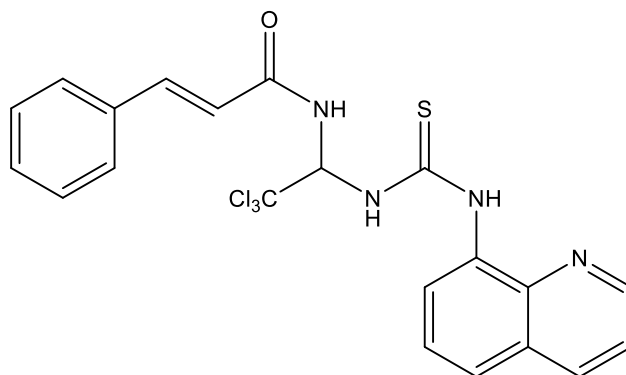
Catalog # 10-4517

Salubrinal

CAS# 405060-95-9

3-Phenyl-N-[2,2,2-trichloro-1-[[[(8-quinolinylamino)thiomethyl]amino]ethyl]-2-propenamide

Lot #



Blocks dephosphorylation of eukaryotic translation factor 2 subunit α (eIF-2 α)¹, which subsequently blocks the activation of cellular stress response pathways.^{2,3} Cell Permeable.

- 1) Cnop *et al.* (2007), *Selective inhibition of eukaryotic translation initiation factor 2 alpha dephosphorylation potentiates fatty acid induced endoplasmic reticulum stress and causes pancreatic beta-cell dysfunction and apoptosis*; J. Biol. Chem., **282** 3989
- 2) Lee and Kim (2013), *Phosphorylation of eIF2 α attenuates statin-induced apoptosis by inhibiting the stabilization and translocation of p53 to the mitochondria*; Int. J. Oncol., **42** 810
- 3) Gong *et al.* (2012), *Endoplasmic reticulum (ER) stress inhibitor salubrinal protects against ceramide-induced SH-SY5Y cell death*; Biochem. Biophys. Res. Commun., **427** 461

PHYSICAL DATA

Molecular Weight: 479-81

Molecular Formula: C₂₁H₁₇Cl₃N₄OS

Purity:

NMR: (Conforms)

Solubility: DMSO (up to 40 mg/ml)

Physical Description:

Storage and Stability: Store as supplied 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.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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

www.focusbiomolecules.com