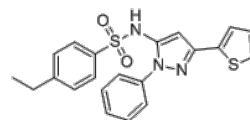


Product Name : HSF1A
Cat. No. : PC-61302
CAS No. : 1196723-93-9
Molecular Formula : C₂₁H₁₉N₃O₂S₂
Molecular Weight : 409.522
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

HSF1A is a small molecule human **HSF1 (heat shock transcription factor 1)** activator, also interacts with components of the **TRiC/CCT** complex.

HSF1A activates HSF1 in mammalian and fly cells, elevates protein chaperone expression, ameliorates protein misfolding and cell death in polyQ-expressing neuronal precursor cells.

HSF1A protects against cytotoxicity in a fly model of polyQ-mediated neurodegeneration.

HSF1A also interacts with components of the TRiC/CCT complex.

References

Neef DW, et al. *PLoS Biol.* 2010 Jan 19;8(1):e1000291.

Bocchini CE, et al. *Blood.* 2016 Dec 29;128(26):3061-3072.

Huang CY, et al. *Cell Death Dis.* 2016 Nov 3;7(11):e2455.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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