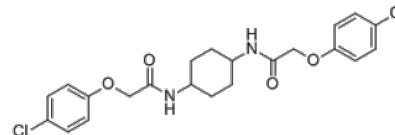


Product Name : cis-ISRIB
Cat. No. : PC-38450
CAS No. : 548470-11-7
Molecular Formula : C₂₂H₂₄Cl₂N₂O₄
Molecular Weight : 451.34
Target : PERK
Solubility : 10 mM in DMSO



Biological Activity

cis-ISRIB is a weak inhibitor of PERK signaling compared to trans-ISRIB, potentially reverses the effects of **eIF2 α** phosphorylation with IC₅₀ of 600 nM.

ISRIB reduces the viability of cells subjected to PERK-activation by chronic endoplasmic reticulum stress, displays significant enhancement in spatial and fear-associated learning.

ISRIB is a potent inhibitor of the integrated stress response (ISR) integrated stress response (ISR).

References

Sidrauski C, et al. Elife. 2015 Feb 26;4:e05033.

Sidrauski C, et al. Elife. 2013 May 28;2:e00498.

Halliday M, et al. Cell Death Dis. 2015 Mar 5;6:e1672.

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

E-mail: tech@probechem.com