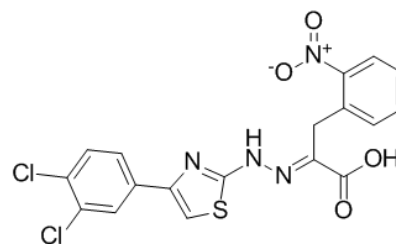


Product Name : 4EGI-1
Cat. No. : PC-45737
CAS No. : 315706-13-9
Molecular Formula : C₁₈H₁₂Cl₂N₄O₄S
Molecular Weight : 451.2833
Target : Eukaryotic Initiation Factor (eIF)
Solubility : DMSO: ≥ 35 mg/mL



Biological Activity

4EGI-1 is a competitive **eIF4E/eIF4G** interaction inhibitor with K_d of 25 μM (binding to eIF4E).

4EGI-1 disrupts eIF4E/eIF4G association and inhibits cap-dependent translation.

4EGI-1 inhibits cellular expression of oncogenic proteins encoded by weak mRNAs, exhibits activity against multiple cancer cell lines.

References

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Wang W, et al. **Oncotarget**. 2016 Apr 19;7(16):21728-41.

Papadopoulos E, et al. **Proc Natl Acad Sci U S A**. 2014 Aug 5;111(31):E3187-95.

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

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