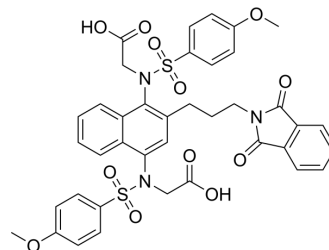


Keap1-Nrf2-IN-15

Cat. No.:	HY-149245
CAS No.:	2456295-45-5
Molecular Formula:	C ₃₉ H ₃₅ N ₃ O ₁₂ S ₂
Molecular Weight:	801.84
Target:	Keap1-Nrf2
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Keap1-Nrf2-IN-15 (Compound 24a) is a potent Keap1-Nrf2 protein-protein interaction inhibitor with IC ₅₀ s of 77 nM and 2.5 nM in FP assay and TR-FRET assay, respectively ^[1] .
In Vitro	Keap1-Nrf2-IN-15 (Compound 24a) binds to the Keap1 protein ^[1] . Keap1-Nrf2-IN-15 (10 and 100 μM; 24 h) leads to the significant induction of the Nrf2 target genes (HMOX1, GSTM3, and NQO1 in comparison to GAPDH and HPRT, two housekeeping genes) in NCM460D cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Abed DA, et al. Optimization of the C2 substituents on the 1,4-bis(arylsulfonamido)naphthalene-N,N'-diacetic acid scaffold for better inhibition of Keap1-Nrf2 protein-protein interaction. *Eur J Med Chem.* 2023 Apr 5;252:115302.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA