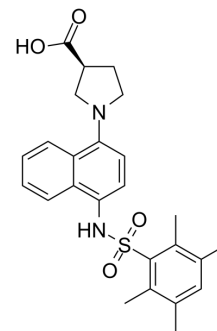


RA839

Cat. No.:	HY-110275
CAS No.:	1832713-02-6
Molecular Formula:	C ₂₅ H ₂₈ N ₂ O ₄ S
Molecular Weight:	452.57
Target:	Keap1-Nrf2
Pathway:	NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (220.96 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2096 mL	11.0480 mL	22.0960 mL
	5 mM	0.4419 mL	2.2096 mL	4.4192 mL
	10 mM	0.2210 mL	1.1048 mL	2.2096 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

RA839 is a noncovalent small molecule binder to Keap1 with a K_d of ~6 μM and selective activator of Nrf2 signaling. RA839 prevents the induction of both inducible nitric-oxide synthase expression and nitric oxide release in response to lipopolysaccharides in macrophages. RA839 is a selective inhibitor of the Keap1/Nrf2 interaction and a useful tool compound to study the biology of Nrf2^[1].

REFERENCES

[1]. Winkel AF, et al. Characterization of RA839, a Noncovalent Small Molecule Binder to Keap1 and Selective Activator of Nrf2 Signaling. J Biol Chem. 2015;290(47):28446-28455.

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

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