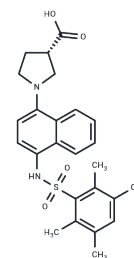


RA-839

## Chemical Properties

CAS No. :	1832713-02-6
Formula:	C <sub>25</sub> H <sub>28</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	452.57
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	RA-839 is a potent small molecule Keap1 conjugate and selective Nrf2 signalling activator, as well as an inhibitor of Keap1/Nrf2 interaction with anticancer activity. RA-839 inhibits the expression of inducible nitric oxide synthase and inhibits nitric oxide release.
Targets(IC50)	Nrf2, NO Synthase

## Solubility Information

Solubility	DMSO: 80 mg/mL (176.77 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2096 mL	11.048 mL	22.096 mL
5 mM	0.4419 mL	2.2096 mL	4.4192 mL
10 mM	0.221 mL	1.1048 mL	2.2096 mL
50 mM	0.0442 mL	0.221 mL	0.4419 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Winkel AF, Engel CK, Margerie D, Kannt A, Szillat H, Glombik H, Kallus C, Ruf S, Güssregen S, Riedel J, Herling AW, von Knethen A, Weigert A, Brüne B, Schmoll D. Characterization of RA839, a Noncovalent Small Molecule Binder to Keap1 and Selective Activator of Nrf2 Signaling. J Biol Chem. 2015 Nov 20;290(47):28446-55. doi: 10.1074/jbc.M115.678136. Epub 2015 Oct 12. PubMed PMID: 26459563; PubMed Central PMCID: PMC4653701.

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