Data Sheet (Cat.No.TN4394)

TargetMol

Kobophenol A

Chemical Properties

CAS No. :	124027-58-3
Formula:	C56H44O13
Molecular Weight:	924.94
Storage:	Keep away from moisture,Keep away from direct sunlight Powder: -20°C for 3 years | In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

Biological Description

Description	Kobophenol A is an oligostilbene natural product derived from plants with multi-target biological activities. Studies suggest that Kobophenol A may interfere with the interaction between ACE2 and the SARS-CoV-2 spike receptor-binding domain (RBD), potentially inhibiting viral entry. In addition, Kobophenol A has been reported to exhibit modulatory or inhibitory activity against Protein kinase C.

Solubility Information

Solubility	DMSO: 80 mg/mL (86.49 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0812 mL	5.4058 mL	10.8115 mL
5 mM	0.2162 mL	1.0812 mL	2.1623 mL
10 mM	0.1081 mL	0.5406 mL	1.0812 mL
50 mM	0.0216 mL	0.1081 mL	0.2162 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

Gangadevi S, et al. Kobophenol A Inhibits Binding of Host ACE2 Receptor with Spike RBD Domain of SARS-CoV-2, a Lead Compound for Blocking COVID-19. J Phys Chem Lett. 2021;12(7):1793-1802.
Xu G, Zhang LP, Chen LF, Hu CQ. Yao Xue Xue Bao. 1994;29(11):818-822.

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