
Product Data Sheet

Product Name: Kobophenol A

Cat. No.: GC64263

Chemical Properties

Cas. No. 124027-58-3

Formula C₅₆H₄₄O₁₃ M.Wt 924.94

Solubility Storage 4°C, away from moisture and light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

Kobophenol A, an oligomeric stilbene, blocks the interaction between the ACE2 receptor and S1-RBD with an IC₅₀ of 1.81 μM and inhibits SARS-CoV-2 viral infection in cells with an EC₅₀ of 71.6 μM. Kobophenol A inhibits the activity of partially purified rat brain protein kinase C (PKC) with an IC₅₀ of 52 μM[1][2].

[1]. 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.

[2]. Xu G, Zhang LP, Chen LF, Hu CQ. *Yao Xue Xue Bao.* 1994;29(11):818-822.

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

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