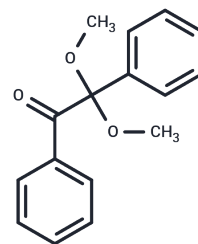


CES1-IN-42

Chemical Properties

CAS No. : 24650-42-8
 Formula: C₁₆H₁₆O₃
 Molecular Weight: 256.3
 Storage: 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	CES1-IN-42 (2,2-Dimethoxy-2-phenylacetophenone) is a photoinitiator that can be used to assist in cancer research.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9017 mL	19.5084 mL	39.0168 mL
5 mM	0.7803 mL	3.9017 mL	7.8034 mL
10 mM	0.3902 mL	1.9508 mL	3.9017 mL
50 mM	0.078 mL	0.3902 mL	0.7803 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

- Tyagi P, et al. Light-activated, in situ forming gel for sustained suprachoroidal delivery of bevacizumab. *Mol Pharm.* 2013 Aug 5;10(8):2858-67.
- Xu L, Wang W, Yu D. Durable flame retardant finishing of cotton fabrics with halogen-free organophosphonate by UV photoinitiated thiol-ene click chemistry. *Carbohydr Polym.* 2017 Sep 15;172:275-283. doi: 10.1016/j.carbpol.2017.05.054. Epub 2017 May 24. PubMed PMID: 28606535.
- Zeng J, Liu S, Wang M, Yao S, Chen Y. The synthesis of weak acidic type hybrid monolith via thiol-ene click chemistry and its application in hydrophilic interaction chromatography. *Electrophoresis.* 2017 May;38(9-10):1325-1333. doi: 10.1002/elps.201600526. Epub 2017 Mar 30. PubMed PMID: 28211065.
- Gao C, Ren J, Zhao C, Kong W, Dai Q, Chen Q, Liu C, Sun R. Xylan-based temperature/pH sensitive hydrogels for drug controlled release. *Carbohydr Polym.* 2016 Oct 20;151:189-197. doi: 10.1016/j.carbpol.2016.05.075. Epub 2016 May 24. PubMed PMID: 27474557.

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