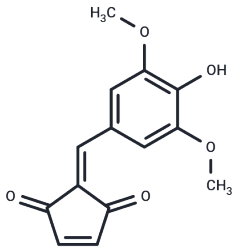
Data Sheet (Cat.No.T32396)

TargetMol

Kih 202

Chemical Properties



CAS No. : 58161-67-4

Formula: C14H12O5

Molecular Weight: 260.24

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	Kih 202 have hypoxic cytotoxicity to FM3A cells from C3H mice.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8426 mL	19.213 mL	38.4261 mL
5 mM	0.7685 mL	3.8426 mL	7.6852 mL
10 mM	0.3843 mL	1.9213 mL	3.8426 mL
50 mM	0.0769 mL	0.3843 mL	0.7685 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

Hori H, Maezawa H, Iitaka Y, Ohsaka T, Shibata T, Mori T, Inayama S. 2-Arylidene-4-cyclopentene-1,3-diones designed as non-nitro radiosensitizers and hypoxic cytotoxins. Jpn J Cancer Res. 1987 Oct;78(10):1128-33. PubMed PMID: 3119546.

Koike H, Hori H, Inayama S, Terada H. Effect of arylidene-cyclopentenedione radiosensitizers on ATP synthesis in mitochondria: action as potent inhibitors of phosphate transport. Biochem Biophys Res Commun. 1988 Sep 15;155 (2):1066-74. PubMed PMID: 3421958.

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