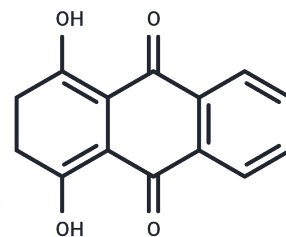


Leucoquinizarin

Chemical Properties

CAS No. :	40498-13-3
Formula:	C ₁₄ H ₁₀ O ₄
Molecular Weight:	242.23
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	Leucoquinizarin is a fluorimetric reagent.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1283 mL	20.6415 mL	41.2831 mL
5 mM	0.8257 mL	4.1283 mL	8.2566 mL
10 mM	0.4128 mL	2.0642 mL	4.1283 mL
50 mM	0.0826 mL	0.4128 mL	0.8257 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

- Bello López MA, Callejón Mochón M, Gómez Ariza JL, Guiraúm Pérez A. Leucoquinizarin as an analytical spectrophotometric and fluorimetric reagent: application to the determination of magnesium in pharmaceutical preparations. *Analyst*. 1986 Apr;111(4):429-33. PubMed PMID: 3717589.
- Zee-Cheng RK, Cheng CC. Antineoplastic agents. Structure-activity relationship study of bis(substituted aminoalkylamino)anthraquinones. *J Med Chem*. 1978 Mar;21(3):291-4. PubMed PMID: 628005.
- Dufat-Trinh Van H, Seguin E, Tillequin F, Monneret C, Koch M. [Total synthesis of oxa-9-anthracyclines]. *Chem Pharm Bull (Tokyo)*. 1989 Dec;37(12):3294-300. French. PubMed PMID: 2632074.
- Churchill MR, Keil KM, Bright FV, Pandey S, Baker GA, Keister JB. Linkage and redox isomerism in ruthenium complexes of catecholate, semiquinone, and o-acylphenolate ligands derived from 1,2-dihydroxy-9,10-anthracenedione (alizarin) and related species: syntheses, characterizations, and photophysics. *Inorg Chem*. 2000 Dec 11;39(25):5807-16. PubMed PMID: 11151384.

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