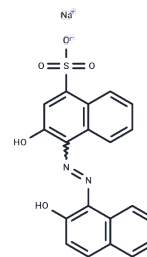


Calcon

Chemical Properties

CAS No. :	2538-85-4
Formula:	C ₂₀ H ₁₃ N ₂ NaO ₅ S
Molecular Weight:	416.39
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	Calcon (Mordant Black 17) is a calcium biochemical indicator.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (120.08 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4016 mL	12.008 mL	24.0159 mL
5 mM	0.4803 mL	2.4016 mL	4.8032 mL
10 mM	0.2402 mL	1.2008 mL	2.4016 mL
50 mM	0.048 mL	0.2402 mL	0.4803 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

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- Saçmacı S, et al. On-line solid-phase separation/preconcentration for the determination of copper in urine by flame atomic absorption spectrometry. *Mater Sci Eng C Mater Biol Appl.* 2014 Nov;44:240-5.
- Karunya A, Rose C, Valli Nachiyar C. Biodegradation of the textile dye Mordant Black 17 (Calcon) by *Moraxella osloensis* isolated from textile effluent-contaminated site. *World J Microbiol Biotechnol.* 2014 Mar;30(3):915-24.

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