

Resazurin

Chemical Properties

CAS No. : 550-82-3

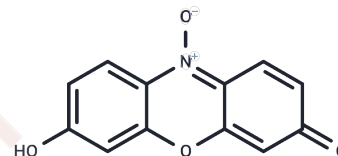
Formula: C₁₂H₇NO₄

Molecular Weight: 229.19

Keep away from direct sunlight

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	Resazurin is used as an oxidation-reduction indicator in cell viability.
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3632 mL	21.816 mL	43.6319 mL
5 mM	0.8726 mL	4.3632 mL	8.7264 mL
10 mM	0.4363 mL	2.1816 mL	4.3632 mL
50 mM	0.0873 mL	0.4363 mL	0.8726 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

- Lin S, Yang L, Chen G, Li B, Chen D, Li L, Xu Z. Pathogenic features and characteristics of food borne pathogens biofilm: Biomass, viability and matrix. *Microb Pathog*. 2017 Oct;111:285-291. doi: 10.1016/j.micpath.2017.08.005. Epub 2017 Aug 9. Review. PubMed PMID: 28803003.
- Riss TL, Moravec RA, Niles AL, et al. *Assay Guidance Manual* [Internet]. Bethesda (MD): Eli Lilly & Company and the National Center for Advancing Translational Sciences; 2004-. Available from <http://www.ncbi.nlm.nih.gov/books/NBK144065/> PubMed PMID: 23805433.
- Hall MD, Simeonov A, Davis MI. Avoiding Fluorescence Assay Interference-The Case for Diaphorase. *Assay Drug Dev Technol*. 2016 Apr;14(3):175-9. doi: 10.1089/adt.2016.707. Review. PubMed PMID: 27078679; PubMed Central PMCID: PMC4840916.
- Coban AY, Deveci A, Sunter AT, Palomino JC, Martin A. Resazurin microtiter assay for isoniazid, rifampicin, ethambutol and streptomycin resistance detection in *Mycobacterium tuberculosis*: Updated meta-analysis. *Int J Mycobacteriol*. 2014 Dec;3(4):230-41. doi: 10.1016/j.ijmyco.2014.09.002. Epub 2014 Sep 29. Review. PubMed PMID: 26786621.

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