
Product Data Sheet

Product Name: Azure C
Cat. No.: GC68720

Chemical Properties

Cas. No. 531-57-7

Formula $C_{13}H_{12}ClN_3S$

M.Wt 277.77

Solubility DMSO : 1.96 mg/mL (7.06 mM; ultrasonic and warming and heat to 60°C)

Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Azure C is the product of sequential enzymatic oxidation of Metlene blue (MB) or Azure B (AB). Azure C serves as the substrate of horseradish peroxidase (HRP)^{[1][2]}.

[1]. Ferreira-Leitão V S, et al. Metlene blue and azure B oxidation by horseradish peroxidase: a comparative evaluation of class II and class III peroxidases. Applied Catalysis B: Environmental, 2003, 42(2): 213-221.

[2]. Lo Cascio F, et al. Azure C Targets and Modulates Toxic Tau Oligomers. ACS Chem Neurosci. 2018 Jun 20;9(6):1317-1326.

Caution: Product has not been fully validated for medical applications. For research use only.

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