
Product Data Sheet

Product Name: Resorufin Acetate

Cat. No.: GC18570

Chemical Properties

Cas. No. 1152-14-3

Chemical Name 7-(acetyloxy)-3H-phenoxazin-3-one

SMILES O=C1C=CC2=NC(C=CC(OC(C)=O)=C3)=C3OC2=C1Formula $C_{14}H_9NO_4$ M.Wt 255.2

Solubility DMF: 20 mg/ml, DMF:PBS (pH 7.2); (1:7): 0.12 mg/ml, DMSO: 5 mg/ml, Ethanol: 0.1 mg/ml Store Storage at -20°C

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**

Resorufin Acetate is a fluorometric probe that acts as a substrate for cytosolic aldehyde dehydrogenase (ALDH1A1) esterase activity. It is also a useful substrate for chymotrypsin. Upon enzymatic cleavage, the resorufin anion displays red fluorescence (ex/em maxima = 571/585 nm, respectively).

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

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