

Product Data Sheet

Product Name: 5-Nitrobarbituric acid

Cat. No.: GC66324

Chemical Properties

Cas. No. 480-68-2

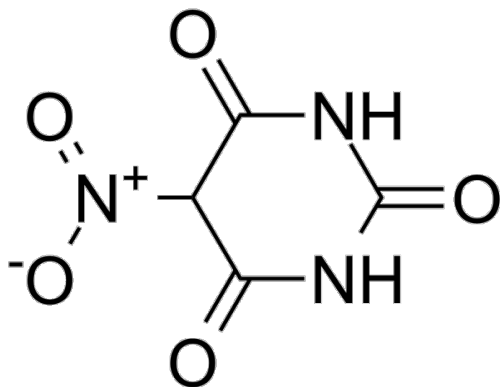
Formula $C_4H_3N_3O_5$ M.Wt 173.08

Solubility DMSO : 100 mg/mL (577.77 mM; Storage Store at -20°C
Need ultrasonic)

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

5-Nitrobarbituric acid is a **herpes simplex virus type-1 (HSV-1)** inhibitor ($IC_{50}=1.7 \mu M$)^[1].

5-Nitrobarbituric acid can inhibit vero cell growth^[1].

Cell Cytotoxicity Assay^[1]

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

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Cell Line: Vero cells
Concentration: 0.06-5 μ M
Incubation Time: 2 hours
Result: Showed high cytotoxicity to vero cells.

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