
Product Data Sheet

Product Name: Porphobilinogen

Cat. No.: GC31575

Chemical Properties

Cas. No. 487-90-1

SMILES O=C(O)CCC1=CNC(CN)=C1CC(O)=OFormula $C_{10}H_{14}N_2O_4$ M.Wt 226.23

Solubility Soluble in DMSO Storage Store 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**

Porphobilinogen could act as a phototoxin, a neurotoxin, and a metabotoxin.

Porphobilinogen can act as a phototoxin, a neurotoxin, and a metabotoxin. A phototoxin leads to cell damage upon exposure to light. A neurotoxin causes damage to nerve cells and nerve tissues. A metabotoxin is an endogenously produced metabolite that causes adverse health effects at chronically high levels[1].

[1]. Winkelman JW, et al. Neurotoxicity of tetraphenylporphinesulfonate TPPS4 and its relation to photodynamic therapy. Photochem Photobiol. 1987 Nov;46(5):801-7.

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

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