
Product Data Sheet

Product Name: Profenofos

Cat. No.: GC61206

Chemical Properties

Cas. No. 41198-08-7

SMILES O=P(OCC)(SCCC)OC1=CC=C(Br)C=C1ClFormula C11H15BrClO3PS M.Wt 373.63

Solubility DMSO: 50 mg/mL (133.82 mM) 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**

Profenofos is an acetylcholinesterase-inhibiting organophosphorus pesticide on field crops, vegetables, and fruit crops [1].

[1]. Madhulika Kushwaha, et al. Kushwaha, M., et al.. Profenofos, an Acetylcholinesterase-Inhibiting Organophosphorus Pesticide: A Short Review of Its Usage, Toxicity, and Biodegradation. J Environ Qual. 2016 Sep;45(5):1478-1489.

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

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