
Product Data Sheet

Product Name: Temephos (Temefos)

Cat. No.: GC32245

Chemical Properties

Cas. No. 3383-96-8

SMILES COP(OC(C=C1)=CC=C1SC2=CC=C(OP(OC)(OC)=S)C=C2)(OC)=S

Formula $C_{16}H_{20}O_6P_2S_3$ M.Wt 466.47

Solubility DMSO : ≥ 100 mg/mL (214.38 mM) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Temefos is an organophosphate larvicide, used to treat water infested with disease-carrying insects including mosquitoes, midges, and black fly larvae. Temefos affects the central nervous system through inhibition of cholinesterase, results in death before reaching the adult stage.

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

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