
Product Data Sheet

Product Name: Bethoxazin

Cat. No.: GC35507

Chemical Properties

Cas. No. 163269-30-5

SMILES O=S1C(C2=CC3=CC=CC=C3S2)=NOCC1Formula $C_{11}H_9NO_2S_2$ M.Wt 251.32

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**

Bethoxazin(Bethoguard) is a new broad spectrum industrial microbicide with applications in material and coating preservation. IC50 value: Target: Microbicide Bethoxazin potently inhibited the catalytic activity of yeast DNA topoisomerase II and the growth of yeast BY4742 cells at low micromolar concentrations. bethoxazin may exert its microbicidal action by reacting with sensitive endogenous sulfhydryl biomolecules of microbial cells.

[1]. Chee GL, et al. Chemical reactivity and microbicidal action of bethoxazin. Bioorg Med Chem. 2012 Feb 15;20(4):1494-501.

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

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