
Product Data Sheet

Product Name: Furanone C-30

Cat. No.: GC50493

Chemical Properties

Cas. No. 247167-54-0

SMILES Br/C=C1OC(C=C\1Br)=OFormula $C_5H_2Br_2O_2$ M.Wt 253.88

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**

Synthetic furanone bacterial quorum sensing inhibitor. Inhibits virulence factor expression in *Pseudomonas aeruginosa* and increases bacterial susceptibility to antibiotics in vitro. Also inhibits bacterial quorum sensing in vivo and promotes bacterial clearance in a mouse pulmonary infection model.

Hentzer et al (2003) Attenuation of *Pseudomonas aeruginosa* virulence by quorum sensing inhibitors. EMBO J. 22 3803 PMID:12881415

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

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