

Product Data Sheet

Product Name: EcDsbB-IN-9

Cat. No.: GC70454

Chemical Properties

Cas. No. 41933-33-9

Formula $C_{11}H_8Cl_2N_2O$

M.Wt 255.1

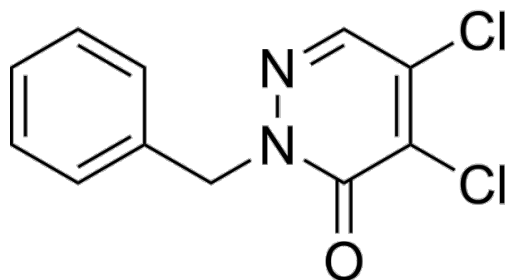
Solubility

Storage -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

EcDsbB-IN-9 (Compound 9) is a potent E. coli DsbB (EcDsbB) inhibitor with an IC₅₀ of 1.7 μM and a K_i of 46 nM.

EcDsbB-IN-9 (Compound 9) (0-100 μM) causes accumulation of reduced DsbA (EcDsbB substrate) and inhibits oxidation of DsbA with an IC₅₀ of 8.5 ± 0.6 μM^[1].

References:

[1]. Landeta C, et al. Compounds targeting disulfide bond forming enzyme DsbB of Gram-negative

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

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bacteria. Nat Chem Biol. 2015 Apr;11(4):292-8.

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