
Product Data Sheet

Product Name: SQ609
Cat. No.: GC62441

Chemical Properties

Cas. No. 627052-25-9

Formula C₂₂H₃₈N₂O

M.Wt 346.55

Solubility DMSO : 6.67 mg/mL (19.25 mM; ultrasonic and warming and heat to 60°C)

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

SQ609 is a lead compound from a library of dipiperidines. SQ609 inhibits more than 90% of intracellular bacterial growth at 4µg/ml and is toxic to these cells. SQ609 displays a potent antitubercular activity [1].

In Mtb-infected macrophages in vitro, SQ609 inhibits more than 90% of intracellular bacterial growth at 4µg/ml and is toxic to these cells[1].

SQ609 (10 mg/kg; intravenous injection) completely prevents weight loss in the Mtb-infected animals and prolongs the therapeutic effect following drug withdrawal for another 10-15 days[1].

[1]. Bogatcheva E, et al. Identification of SQ609 as a lead compound from a library of dipiperidines. Bioorg Med Chem Lett. 2011;21(18):5353-5357.

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

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