

Product Datasheet

SQ109

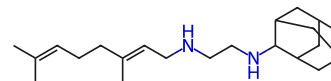
Catalog No. **BP-02127** · CAS **502487-67-4** · Form **free base** · Physical state **other** · Color **Light yellow to yellow** · Version **1.0**
 · Revision **2026-09-02**

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Target Parasite; Bacterial; Antibiotic	Research area Infection
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Molecular formula	C₂₂H₃₈N₂
Molecular weight	330.5505

STRUCTURE



DESCRIPTION

SQ109 is a potent inhibitor of the trypomastigote form of the parasite, with IC₅₀ for cell killing of 50±8 nM. SQ109, targets MmpL3, is an antitubercular agent.

SOLUBILITY

Soluble in DMSO

REFERENCES

- [1]. Veiga-Santos P, et al. SQ109, a new drug lead for Chagas disease. Antimicrob Agents Chemother. 2015 Apr;59(4):1950-61.
- [2]. Jia L, et al. Pharmacodynamics and pharmacokinetics of SQ109, a new diamine-based antitubercular drug. Br J Pharmacol. 2005 Jan;144(1):80-7
- [3]. Jia L, et al. Interspecies pharmacokinetics and in vitro metabolism of SQ109. Br J Pharmacol. 2006 Mar;147(5):476-85.

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