

## S-MGB-234 biochemical

S-MGB-234

CATALOG #  
AAA228029

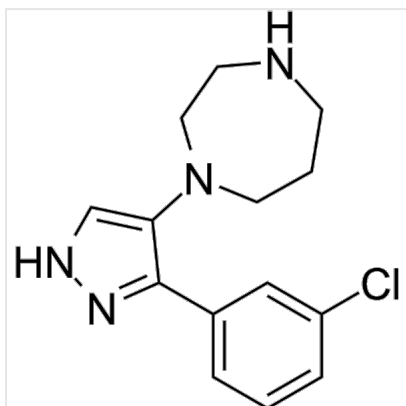
### PRODUCT SYNONYMS

S-MGB-234; S-MGB-234 biochemical

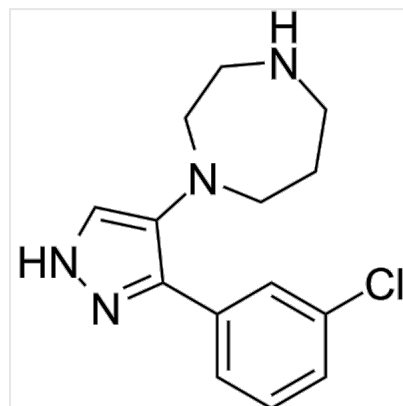
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                                                                                                                                                                                                                                                                                                                     |
| CAS                     | 1970223-53-0                                                                                                                                                                                                                                                                                                                                                                            |
| Solubility              | <1mg/ml refers to the product slightly soluble or insoluble                                                                                                                                                                                                                                                                                                                             |
| In vitro                | S-MGB-234 (compound 7) provides total cure and no relapses in mice (cured/infected, 4/4), when treated with 2 applications of 50 mg/kg i.p. Partial cure (1/4) is seen in mice treated with four daily applications of 10 mg/kg i.p., whilst only two applications of S-MGB-234 (compound 7) at 10 mg/kg i.p. gives no cure but prolongs survival relative to the untreated control[1]. |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                                                                                                                                                                                                                                                                                                                |

### IMAGES



Structure  
5-HT7R antagonist 1 free base, CAS 2337008-64-5



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### ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for S-MGB-234 biochemical | S-MGB-234 is a minor groove binder of Animal African Trypanosomiasis (AAT). S-MGB-234 displays excellent in vitro activities against the principal causative organisms of AAT; Trypanosoma congolense, and Trypanosoma vivax. S-MGB-234 does not show cross-resistance with the current diamidine drugs and are not internalized via the transporters used by diamidines. |
| References                                            | 1. Kwag R, et al. Discovery of G Protein-Biased Antagonists against 5-HT7R. J Med Chem. 2021 Sep 23;64(18):13766-13779.                                                                                                                                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

