



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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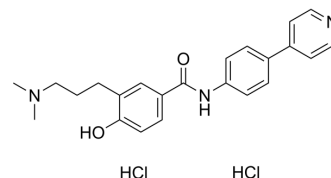
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## GR 55562 dihydrochloride

|                    |                                                                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-101367A                                                                                                                                   |
| CAS No.:           | 159533-25-2                                                                                                                                  |
| Molecular Formula: | C <sub>23</sub> H <sub>27</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>2</sub>                                                                |
| Molecular Weight:  | 448.39                                                                                                                                       |
| Target:            | 5-HT Receptor                                                                                                                                |
| Pathway:           | GPCR/G Protein; Neuronal Signaling                                                                                                           |
| Storage:           | 4°C, stored under nitrogen, away from moisture<br>* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture) |



### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | GR 55562 (dihydrochloride) is a selective 5-HT <sub>1B</sub> receptor antagonist. GR 55562 can be used for the research of nerve disease [1].                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                  |
| In Vivo     | GR 55562 (0.1-10 µg/side) into accumbens subregions did not evoke cocaine-lever responding <sup>[1]</sup> .<br>GR 55562 (0.1-10 µg/side) in the accumbens shell or core failed to modulate the discriminative stimulus effects of cocaine (5 mg/kg) <sup>[1]</sup> .<br>GR 55562 (1 µg/side) significantly attenuated the enhancement of cocaine discrimination <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |                                                                                                                                                                                                                                                                                                                                                                                  |
|             | Animal Model:                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Male Wistar rats (280-300 g; n=50) <sup>[1]</sup> .                                                                                                                                                                                                                                                                                                                              |
|             | Dosage:                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.1-10 µg/side                                                                                                                                                                                                                                                                                                                                                                   |
|             | Administration:                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Injected intracranially; At a volume of 0.2 µl/side                                                                                                                                                                                                                                                                                                                              |
|             | Result:                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Did not evoke substitution for the drug with intra-accumbal shell infusion.<br>Did not significantly affect the discriminative stimulus effects produced by 5 mg/kg of cocaine.<br>GR 55562 (1 µg/side) attenuated the enhancement of cocaine discrimination evoked by a combination of intra-accumbal core CP 93129 (1 µg/side) and systemic cocaine (1.25 mg/kg or 2.5 mg/kg). |

### REFERENCES

[1]. Filip M, et al. Effects of serotonin (5-HT)(1B) receptor ligands, microinjected into accumbens subregions, on cocaine discrimination in rats. Naunyn Schmiedeberg's Arch Pharmacol. 2002;366(3):226-234.

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

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