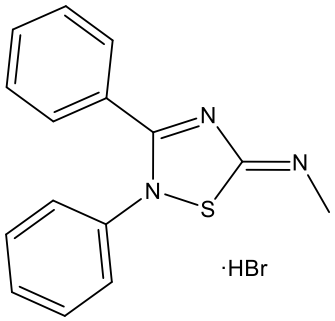
**Catalog # 10-1048**

**SCH-202676**

CAS# 265980-25-4

N-(2,3-Diphenyl-1,2,4-thiadiazol-5-(2H)-ylidene)methanamine hydrobromide

Lot # X101310




SCH-202676 is a reversible inhibitor of both agonist and antagonist binding to G protein-coupled receptors (GPCRs).[1] $IC_{50}$'s = 0.1-1.7 µM for nine GPCRs.[1] Modification of GPCRs is accomplished *via* sulfhydryl modification.[2,3]


1) Fawzi *et al.* (2001) *SCH-202676: an allosteric modulator of both agonist and antagonist binding to G protein-coupled receptors.* Mol.Pharmacol. **59** 30.
2) Lewandowicz *et al.* (2006) *The 'allosteric modulator' SCH-202676 disrupts G protein-coupled receptor function via sulphydryl-sensitive mechanisms* Br.J.Pharmacol. **147** 422
3) Goblyos *et al*. (2005) *Synthesis and biological evaluation of a new series of 2,3,5-substituted[1,2,4]-thiadiazoles as modulators of adenosine A1 receptors and their molecular mechanism of action* J.Med.Chem. **48** 1145


## PHYSICAL DATA

| | |
|---|---|
| Molecular Weight: | 348.26 |
| Molecular Formula: | $C_{15}H_{13}N_3S \cdot HBr$ |
| Purity: | >98% by TLC (10% Methanol/methylene chloride + 0.1% $NH_4OH$; Rf = 0.64) |
| | NMR: Conforms |
| Solubility: | DMSO (up to 10 mg/ml) |
| Physical Description: | Beige solid |
| Storage and Stability: | Store as supplied at room temperature for up to 1 year from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 3 months. |

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