

---

## Product Data Sheet

---

Product Name: Ro 41-3290

Cat. No.: GC37547

### Chemical Properties

Cas. No. 143943-72-0

SMILES O[C@@H]1CN(C(C2=C3N(C(C(C4=CC=CC=C4)=C2)=O)CCC5=CC=C(Cl)C=C53)=O)CC1

Formula  $C_{24}H_{21}ClN_2O_3$  M.Wt 420.89

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution: ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure

### Background

Ro 41-3290 is the desethylated derivative of Ro 41-3696, which is a nonbenzodiazepine partial agonist at the benzodiazepine receptor. Ro 41-3290 is an investigational hypnotic. Benzodiazepine receptor[1]

At all times plasma levels of Ro 41-3290, the desethylated derivative of Ro 41-3696, are higher than those of the parent drug (t<sub>max</sub> and t<sub>1/2</sub> values = ~2 and 8 hours, respectively)[1].

Pharmacokinetics of both Ro 41-3696 and its O-desethyl metabolite Ro 41-3290 are dose proportional and time independent. Ro 41-3696 is absorbed and eliminated rapidly (time of maximum plasma concentration, approximately 1 hour; elimination half-life, approximately 2 hours). Plasma levels of Ro 41-3290 are higher than those of the parent drug, and it is more slowly eliminated (values for time of maximum plasma concentration and elimination half-life, approximately 2 and approximately 7 hours, respectively)[2].

[1]. Dingemans J, et al. Pharmacokinetics and pharmacodynamics of Ro 41-3696, a novel nonbenzodiazepine hypnotic. J Clin Pharmacol. 1995 Aug;35(8):821-9. [2]. Dingemans J, et al. Multiple-dose tolerability, pharmacodynamics, and pharmacokinetics of the quinolizinone hypnotic Ro 41-3696 in elderly subjects. Clin Neuropharmacol. 2001 Mar-Apr;24(2):82-90.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA