
Product Data Sheet

Product Name: HSR6071

Cat. No.: GC32056

Chemical Properties

Cas. No. 111374-21-1

SMILES O=C(C1=NC(N2CCCC2)=CN=C1)NC3=NN=NN3Formula $C_{10}H_{12}N_8O$

M.Wt 260.26

Solubility H_2O : 50 mg/mL (192.12 mM; ultrasonic and adjust pH to 12 with NaOH)

Storage Store at -20°C

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

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

Structure **Protocol****Animal experiment:**

Rats: In order to find out the proper pre treatment time with HSR-6071, 0.03 mg/kg, i.vi or 1 mg/kg, p.o. of HSR-6071 was given at varying times before the antigen challenge[2].

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

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

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References:

- [1]. Makino E, et al. Inhibitory effect of HSR-6071, a new anti-allergic agent, on experimental asthma in rats and guinea-pigs. J Pharm Pharmacol. 1990 Apr;42(4):236-41.
- [2]. Makino E, et al. Potent inhibitory activity of HSR-6071, a new antiallergic agent, on passive cutaneous anaphylaxis (PCA). Jpn J Pharmacol. 1990 Jan;52(1):87-94.

Background

HSR6071 is an antiallergic agent with potential for the treatment of asthma.

HSR-6071 suppresses antigen-induced histamine and SRS-A release from minced lung tissues of guinea-pigs sensitized passively with rabbit anti-EA serum and is a more potent inhibitor of the release of SRS-A than of histamine. On the other hand, histamine- or acetylcholine-induced bronchoconstriction in guinea-pigs is scarcely affected by HSR-6071 at doses sufficient to inhibit the experimental asthma, but LTD₄-induced bronchoconstriction is dramatically inhibited. HSR-6071 inhibits cyclic AMP phosphodiesterase activity and produces relaxation of the guinea-pig isolated trachea[1]. HSR-6071 inhibits the IgE-mediated histamine release with an IC₅₀ of 0.46 nM. HSR-6071 is effective not only by i.v. but also by p.o. administration on the IgE mediated PCA in rats. The most potent inhibition with HSR-6071 is observed when it is given p.o. 5 min before the antigen challenge, indicating the rapid absorption of HSR-6071 through the gastrointestinal tract[2].

- [1]. Makino E, et al. Inhibitory effect of HSR-6071, a new anti-allergic agent, on experimental asthma in rats and guinea-pigs. J Pharm Pharmacol. 1990 Apr;42(4):236-41. [2]. Makino E, et al. Potent inhibitory activity of HSR-6071, a new antiallergic agent, on passive cutaneous anaphylaxis (PCA). Jpn J Pharmacol. 1990 Jan;52(1):87-94.

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