

Product Data Sheet

Product Name: 2-Aminotetralin

Cat. No.: GC49481

Chemical Properties

Cas. No. 2954-50-9

SMILES NC1CC2=CC=CC=C2CC1

Formula C₁₀H₁₃N

M.Wt 147.2

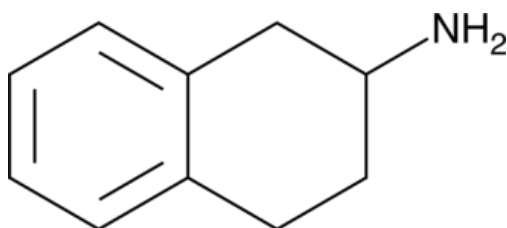
Solubility DMSO: soluble

Storage -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



Background

2-Aminotetralin is a neuromodulatory agent.^{1,2,3} It inhibits serotonin (5-HT) and norepinephrine reuptake in rat brain when administered at a dose of 39.4 mg/kg.¹ 2-Aminotetralin induces hypothermia in rats when administered by intracisternal or intraperitoneal injection, but implantation of 2-aminotetralin crystals in the medial preoptic area of the hypothalamus induces hyperthermia in rats.² It substitutes for (+)-amphetamine in rats in a two-lever drug discrimination test in a dose-dependent manner.³

1. Bruinvels, J. Evidence for inhibition of the reuptake of 5-hydroxytryptamine and noradrenaline by tetrahydronaphthylamine in rat brain. *J. Pharmacol.* 42(2)281-286(1971) 2. Bruinvels, J., and Kemper, G.C. Role of noradrenaline and 5-hydroxytryptamine in tetrahydronaphthylamine-induced temperature changes in the rat. *J. Pharmacol.* 43(1)1-9(1971) 3. Oberlender, R., and Nichols, D.E. Structural variation and (+)-amphetamine-like discriminative stimulus properties. *Pharmacol.*

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

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Biochem. Behav.38(3)581-586(1991)

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