

Product Data Sheet

Product Name: RP-54745

Cat. No.: GC31804

Chemical Properties

Cas. No. 135330-08-4

SMILES O=C1SSC(N2C(C)C3=C(C=CC=C3)CC2)=C1Cl

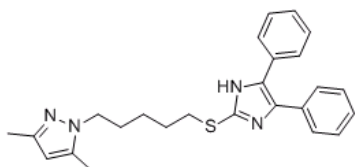
Formula $C_{13}H_{12}ClNOS_2$ M.Wt 297.82

Solubility DMSO : 62.5 mg/mL (209.86 mM); Water : < 0.1 mg/mL (insoluble) 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



Background

RP 54745 is an inhibitor of macrophage stimulation and interleukin-1 production, and a potential antirheumatic compound.

RP 54745 diminishes LPS-induced interleukin-1 (IL-1) production by murine peritoneal macrophages[1].

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

Product Data Sheet

RP 54745 (5 mg/kg) is effective at moderating oral doses in different mouse models of induced arthritis and in the MRL/lpr mice, genetically predisposed to develop an autoimmune pathology including arthritic disorders. The clinical status of the MRL mice, and several of their disturbed biochemical and immunological parameters, improved after a 3-month treatment with RP 54745[2].

[1]. Folliard F, et al. RP 54745, a potential antirheumatic compound. I. Inhibitor of macrophage stimulation and interleukin-1 production. Agents Actions. 1992 May;36(1-2):119-26. [2]. Folliard F, et al. RP 54745, a potential antirheumatic compound. II. In vivo properties in different animal models. Agents Actions. 1992 May;36(1-2):127-35.

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