

Product Data Sheet

Product Name: THRX-144644

Cat. No.: GC73292

Chemical Properties

Cas. No. 2442519-59-5

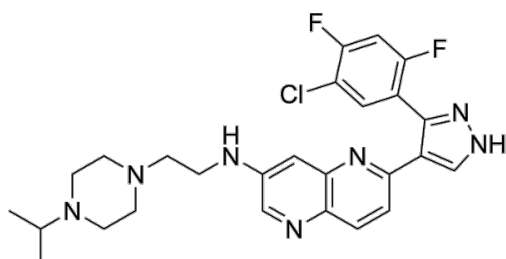
Formula $C_{26}H_{28}ClF_2N_7$ M.Wt 512

Solubility DMSO : 50 mg/mL (97.66 mM; Need ultrasonic) Storage 4°C, protect from light, stored under nitrogen

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

THRX-144644 is a Lung-restricted ALK5 inhibitor with an IC₅₀ value of 0.14 nM. THRX-144644 avoids systemic toxicities associated with TGFβ pathway inhibition.

THRX-144644 (1-10000 nM; 1 h) inhibits ALK5 with an IC₅₀ value of 23 nM in human BEAS2B cell line.

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

THR-144644 (2-60 mg/kg; Inhalation: nebulizer, daily, for 14 days) is a Lung-selective inhibitor and targets to the lungs in Sprague Dawley rats[1].

References:

[1]. Maher JM, et, al. Lung-restricted ALK5 inhibition avoids systemic toxicities associated with TGF β pathway inhibition. Toxicol Appl Pharmacol. 2022 Mar 1;438:115905.

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