
Product Data Sheet

Product Name: TPX-0046

Cat. No.: GC26001

Chemical Properties

Cas. No. 2359650-19-2

Formula C₂₁H₂₁FN₆O₃

M.Wt 424.43

Solubility DMSO: 2 mg/mL (4.71 mM); Water: Insoluble; Ethanol: 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 sizes: ship with RT, or blue ice upon request.

Structure

Background

TPX-0046 is a novel RET/SRC inhibitor with a mean IC₅₀ of 17 nM for RETG810R in Ba/F3 cell proliferation assay.

TPX-0046 is a new type of RET/SRC inhibitor and potent against a range of RET fusions and mutations including solvent front mutations (SFMs)-mediated resistance. In Ba/F3 RET engineered cells with SFMs proliferation test, the average IC₅₀ is 1-17 nM.[2]

TPX-0046 demonstrates marked anti-tumor efficacy in vivo in multiple RET-driven cancer cell-derived and patient-derived xenograft tumor models.[2]

[1] Noura J Choudhury, Alexander Drilon. Transl Lung Cancer Res. 2020 Dec;9(6):2571-2580. [2] Alexander E Drilon, et al. Journal of Clinical. 2020 May; 38(15_suppl): 3616.

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