
Product Data Sheet

Product Name: DMH2
Cat. No.: GC50210

Chemical Properties

Cas. No. 1206711-14-9

SMILES C(C=N2)(C3=CC=C(OCCN4CCOCC4)C=C3)=CN1C2=C(C5=CC=NC6=C5C=CC=C6)C=N1

Formula $C_{27}H_{25}N_5O_2$ M.Wt 451.52

Solubility Soluble in DMSO 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

Type I BMP receptor inhibitor (K_i values are <1, 5.4 and 43 nM for ALK6, ALK3 and ALK2, respectively). Exhibits >30-fold selectivity over ALK4, ALK5, BMPR2, AMPK and VEGFR2. Also binds to TGFBR2 (K_i = 85 nM). Decreases growth and induces cell death of H1299 non-small cell lung carcinoma cells in vitro. Enhances liver regeneration in vivo.

Tsugawa et al (2014) Specific AVNreceptor-like kinase 3 inhibitors enhance liver regeneration. J.Pharmacol.Exp.Ther. 351 549 PMID:25271257

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

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