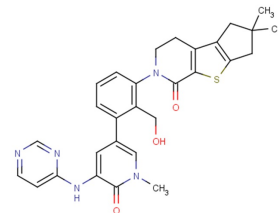


G-744

**Chemical Properties**

CAS No.:	1346669-54-2
Formula:	C <sub>29</sub> H <sub>29</sub> N <sub>5</sub> O <sub>3</sub> S
Molecular Weight:	527.64
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	G-744 is a selective and orally active inhibitor of Btk (IC <sub>50</sub> : 2 nM). G-744 is well-tolerated, metabolically stable. It also has an efficacious to treat arthritis.
Targets(IC <sub>50</sub> )	Btk: 2 nM CD86: 64 nM
In vivo	G-744 (6.25/12.25/25 mg/kg, p.o., b.i.d., daily) treatment can prevent Lewis rats from collagen-induced arthritis, as a dose-dependently.

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.895 mL	9.476 mL	18.952 mL
5 mM	0.379 mL	1.895 mL	3.79 mL
10 mM	0.19 mL	0.948 mL	1.895 mL
50 mM	0.038 mL	0.19 mL	0.379 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Wang X, et al. Discovery of Potent and Selective Tricyclic Inhibitors of Bruton's Tyrosine Kinase with Improved Druglike Properties. ACS Med Chem Lett. 2017 May 3;8(6):608-613.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481