

Product Data Sheet

Product Name: KT-474 hydrochloride

Cat. No.: GC80943

Chemical Properties

Cas. No. 2751703-31-6

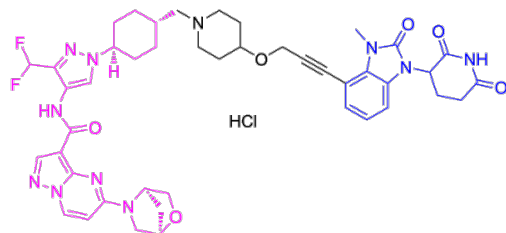
Formula $C_{44}H_{50}ClF_2N_{11}O_6$ M.Wt 902.39

Solubility DMSO: 55 mg/mL (60.95 mM; Need ultrasonic) Storage Store at room temperature, keep dry and cool

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

KT-474 (KYM-001; PROTAC IRAK4 degrader-7) hydrochloride is an orally active PROTAC IRAK4 degrader with anti-tumor effects. KT-474 inhibits the cell cycle and induces apoptosis. KT-474 induces tumor regression in a xenograft model of MYD88-mutated ABC DLBCL [1] [2] [3]. (Pink: IRAK4 ligand; Blue: Cereblon ligand; Black: linker).

References:

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

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- [1]. Nello Mainolfi, et al. Irak degraders and uses thereof. Patent WO2020113233A1.
- [2]. Ackerman L, et al. IRAK4 degrader in hidradenitis suppurativa and atopic dermatitis: a phase 1 trial. Nat Med. 2023 Dec;29(12):3127-3136.
- [3]. Joseph F. Kelleher, et al. Abstract LB-272: KYM-001, a first-in-class oral IRAK4 protein degrader, induces tumor regression in xenograft models of MYD88-mutant ABC DLBCL alone and in combination with BTK inhibition. Cancer Res (2019) 79 (13_Supplement): LB-272.

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