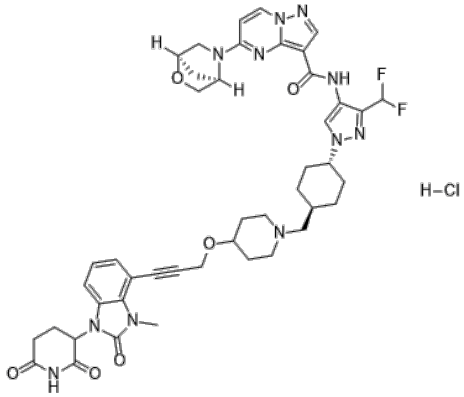
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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	KT-474 hydrochloride
Cat. No.	:	PC-28663
CAS No.	:	2751703-31-6
Molecular Formula	:	$C_{44}H_{50}ClF_2N_{11}O_6$
Molecular Weight	:	902.40
Target	:	PROTAC
Solubility	:	10 mM in DMSO



Biological Activity

KT-474 hydrochloride (Tipasertideg, SAR444656, KYM-001) is a potent, selective, and orally bioavailable heterobifunctional IRAK4 PROTAC degrader with DC50 of 2 nM in OCI-Ly10 cells, IC50 of 41 nM.
KT-474 potently degrades mouse, rat, canine, cynomologous, human IRAK4 with DC50 (nM)/Dmax (%) of 4.2/89 2.1/87 9.2/72 2.9/85 1.5/100, respectively.
KT-474 potently inhibited IL-8 release, with an IC50 = 3 nM and an Imax = 91%, in vitro following stimulation of PBMCs with the TLR7/8 agonist R848.
KT-474 (30-100 mg/kg, p.o. BID) is efficacious in an imiquimod mouse model.

References

Ackerman L, et al. Nat Med. 2023 Dec;29(12):3127-3136.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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