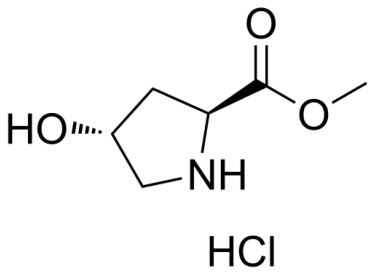
Data Sheet

Product Name:	H-Hyp-OMe (hydrochloride)
Cat. No.:	CS-M0623
CAS No.:	40216-83-9
Molecular Formula:	$C_6H_{12}ClNO_3$
Molecular Weight:	181.62
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

H-Hyp-OMe hydrochloride is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). H-Hyp-OMe hydrochloride is also a alkyl chain-based PROTAC linker that can be used in the synthesis of PROTACs[1]< **In Vitro:** ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1].

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

References:

[1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017;16(5):315-337.

[2]. Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-985.

CAIndexNames:

L-Proline, 4-hydroxy-, methyl ester, hydrochloride (1:1), (4R)-

SMILES:

COC([C@@H]1C[C@H](CN1)O)=O.Cl

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