

Building Blocks, Pharmaceutical Intermediates, Chemical Reagents, Catalysts & Ligands www.ChemScene.com

Data Sheet

Product Name:	H-Hyp-OMe (hydrochloride)	
Cat. No.:	CS-M0623	0
CAS No.:	40216-83-9	Ĭ
Molecular Formula:	C ₆ H ₁₂ CINO ₃	
Molecular Weight:	181.62	$HO^{m} \langle O$
Target:	ADC Linker; PROTAC Linkers	\NH
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC	
Solubility:	10 mM in DMSO	HCI
CAS No.: Molecular Formula: Molecular Weight: Target: Pathway:	40216-83-9 C ₆ H ₁₂ CINO ₃ 181.62 ADC Linker; PROTAC Linkers Antibody-drug Conjugate/ADC Related; PROTAC	HO """ O NH HCI

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

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

Tel: 610-426-3128

Fax: 888-484-5008

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA

E-mail: sales@ChemScene.com