HADA hydrochloride

Cat. No.:	HY-131045	
CAS No.:	2253733-10-5	
Molecular Formula:	C ₁₃ H ₁₃ ClN ₂ O ₆	0 0
Molecular Weight:	328.71	П ОН
Target:	Bacterial	HO O NH ₂
Pathway:	Anti-infection	H-CI
Storage:	4°C, sealed storage, away from moisture	
	* In solvent : -80°C, 2 years; -20°C, 1 year (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

		Solvent Mass Concentration	1 mg	5 mg	10 mg		
	Preparing Stock Solutions	1 mM	3.0422 mL	15.2110 mL	30.4220 mL		
		5 mM	0.6084 mL	3.0422 mL	6.0844 mL		
		10 mM	0.3042 mL	1.5211 mL	3.0422 mL		
	Please refer to the sc	lubility information to select the ap	propriate solvent.		1		
In Vivo		1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.08 mg/mL (6.33 mM); Suspended solution; Need ultrasonic					
		2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.33 mM); Clear solution					
		3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.33 mM); Clear solution					

BIOLOGICAL ACTIVITY				
In Vitro	FDAA labeling can take as little as 30s for a rapidly growing species such as Escherichia coli. Although HADA hydrochloride is dimmer and less photostable than FDL or TDL, it most reproducibly and robustly labels the PG of most bacterial species, typically without the need for extensive optimization ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.			

Product Data Sheet



CUSTOMER VALIDATION

• bioRxiv. 2023 Feb 20.

See more customer validations on <u>www.MedChemExpress.com</u>

REFERENCES

[1]. Erkin Kuru, et al. Synthesis of fluorescent D-amino acids and their use for probing peptidoglycan synthesis and bacterial growth in situ. Nat Protoc. 2015 Jan;10(1):33-52.

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

 Tel: 609-228-6898
 Fax: 609-228-5909
 E-mail: tech@MedChemExpress.com

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