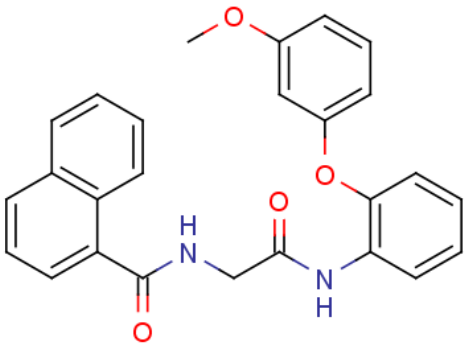
Name: AOH1996 Cat#: EX-A7934

Chemical Structure:



Chemical Name	N-(2-((2-(3-methoxyphenoxy)phenyl)amino)-2-oxoethyl)-1-naphthamide

Molecular Weight	426.4639	Storage	3 years -20°C powder 6 months -80°C in solvent Away from moisture
Formula	C26H22N2O4		
CAS No.	2089314-64-5	Synonyms	

Solubility (25°C) *	In vitro	DMSO	Soluble in DMSO
		Ethanol	N/A
		Water	N/A
	In vivo （should be freshly prepared each time）		

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Selleck tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.

Preparing Stock Solutions:

Mass / Volume / Concentration	1 mg	5 mg	10 mg
1 mM	2.3449 mL	11.7244 mL	23.4489 mL
5 mM	0. 4690 mL	2.3449 mL	4.6898 mL
10 mM	0. 2345 mL	1.1724 mL	2.3449 mL

DMSO : *The above data is based on the product molecular weight 426.46.

Biological Activities:

Description	AOH1996 is an orally active ligand of replisome component PCNA (Proliferating cell nuclear antigen), targeting to transcription-replication conflict (TRC)[1] [2].

References	[1]. Small molecule targeting of transcription-replication conflict for selective chemotherapy." Cell chemical biology, S2451-9456(23)00221-0. 26 Jul. 2023. [2]. Gu L, et al. Pharmacological targeting of transcription-replication conflict leads to anti-cancer efficacy with minimal side effects in preclinical models[J]. Cancer Research, 2021, 81(13_Supplement): 1269-1269.