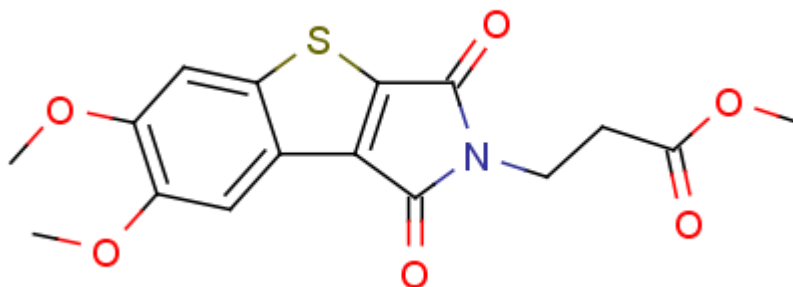


Name: ZSA-51

Cat#: EX-A12239

Chemical Structure:



Chemical Name	2H-[1]Benzothieno[2,3-c]pyrrole-2-propanoic acid, 1,3-dihydro-6,7-dimethoxy-1,3-dioxo-, methyl ester (ACI)
Canonical SMILES	<chem>O=C(OC)CCN1C(=O)C=2SC=3C=C(OC)C(OC)=CC3C2C1=O</chem>
InChI	InChI=1S/C16H15NO6S/c1-21-9-6-8-11(7-10(9)22-2)24-14-13(8)15(19)17(16(14)20)5-4-12(18)23-3/h6-7H,4-5H2,1-3H3
InChI Key	RTHGCGQMIJRVFB-UHFFFAOYSA-N

Molecular Weight	349.358	Storage	2 years 4°C powder
Formula	C16H15NO6S		1 month -20°C in solvent
CAS No.	3084542-49-1	Synonyms	

Solubility (25°C) *	In vitro	DMSO	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:

Concentration	Mass	1 mg	5 mg	10 mg
	Volume			
1 mM		2.8624 mL	14.3119 mL	28.6238 mL
5 mM		0.5725 mL	2.8624 mL	5.7248 mL
10 mM		0.2862 mL	1.4312 mL	2.8624 mL

DMSO : *The above data is based on the product molecular weight 349.36.

Biological Activities:

Description	ZSA-51 is a potent and orally active STING agonist. ZSA-51 shows anticancer activity. ZSA-51 remodels immune microenvironment both in tumor and lymph node ^[1] .
--------------------	---

References	[1]. Zhao HY, et al. An oral tricyclic STING agonist suppresses tumor growth through remodeling of the immune microenvironment. Cell Chem Biol. 2025 Jan 24:S2451-9456(25)00004-2.
-------------------	--