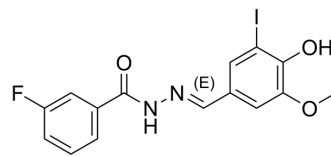


Endosidin-2

Cat. No.:	HY-120821		
CAS No.:	1839524-44-5		
Molecular Formula:	C ₁₅ H ₁₂ FIN ₂ O ₃		
Molecular Weight:	414.17		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (241.45 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4145 mL	12.0723 mL	24.1447 mL
5 mM	0.4829 mL	2.4145 mL	4.8289 mL
10 mM	0.2414 mL	1.2072 mL	2.4145 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Endosidin2 (ES2) binds to the exocyst component of 70 kDa (EXO70) subunit of the exocyst complex with a K_d of 253 μM. Endosidin2 inhibits exocytosis and endosomal recycling in both plant and human cells and enhances plant vacuolar trafficking. Endosidin2 is a valuable new tool for the study of exocytosis^[1].

REFERENCES

[1]. Zhang C, et al. Endosidin2 targets conserved exocyst complex subunit EXO70 to inhibit exocytosis. Proc Natl Acad Sci U S A. 2016 Jan 5;113(1):E41-50.

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

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