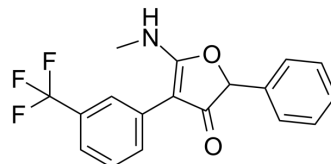


Flurtamone

Cat. No.:	HY-116653
CAS No.:	96525-23-4
Molecular Formula:	C ₁₈ H ₁₄ F ₃ NO ₂
Molecular Weight:	333.3
Target:	Stearoyl-CoA Desaturase (SCD)
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (375.04 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		3.0003 mL	15.0015 mL	30.0030 mL
	5 mM		0.6001 mL	3.0003 mL	6.0006 mL
	10 mM		0.3000 mL	1.5002 mL	3.0003 mL

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

BIOLOGICAL ACTIVITY

Description

Flurtamone is a chiral herbicide with acute toxicity levels to *Selenastrum capricornutum*^[1].

REFERENCES

[1]. Zhang Y, et al., Comprehensive Assessment of Enantioselective Bioactivity, Toxicity, and Dissipation in Soil of the Chiral Herbicide Flurtamone. J Agric Food Chem. 2023 Mar 29;71(12):4810-4816.

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

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