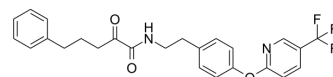


## LEI110

Cat. No.:	HY-125254		
CAS No.:	2313525-90-3		
Molecular Formula:	C <sub>25</sub> H <sub>23</sub> F <sub>3</sub> N <sub>2</sub> O <sub>3</sub>		
Molecular Weight:	456.46		
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 (219.08 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1908 mL	10.9539 mL	21.9077 mL
	5 mM	0.4382 mL	2.1908 mL	4.3815 mL
	10 mM	0.2191 mL	1.0954 mL	2.1908 mL

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

### BIOLOGICAL ACTIVITY

#### Description

LEI110 is a potent, selective and cell-permeable pan-inhibitor of the HRASLS family of thiol hydrolases. LEI110 inhibits PLA2G16, HRASLS2, RARRES3 and iNAT, with pIC<sub>50</sub> values of 7.0, 6.8, 6.8, and 7.6, respectively. LEI110 reduces cellular arachidonic acid levels and oleic acid-induced lipolysis in HepG2 cells<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

pIC<sub>50</sub>: 7.0 (PLA2G16), 6.8 (HRASLS2), 6.8 (RARRES3), and 7.6 (iNAT)<sup>[1]</sup>

### REFERENCES

[1]. Zhou J, et al. Activity-Based Protein Profiling Identifies α-Ketoamides as Inhibitors for Phospholipase A2 Group XVI. ACS Chem Biol. 2019 Feb 15;14(2):164-169.

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

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