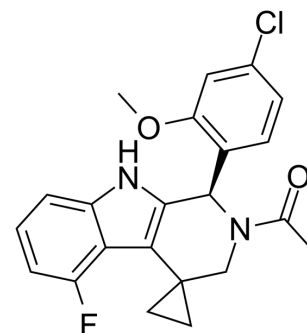


(R)-ONO-2952

Cat. No.:	HY-111191A		
CAS No.:	2988224-39-9		
Molecular Formula:	C ₂₂ H ₂₀ ClFN ₂ O ₂		
Molecular Weight:	398.86		
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 : 220 mg/mL (551.57 mM; Need ultrasonic)			
		Solvent	Mass	
		Concentration	1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	2.5071 mL	12.5357 mL	25.0715 mL
	5 mM	0.5014 mL	2.5071 mL	5.0143 mL
	10 mM	0.2507 mL	1.2536 mL	2.5071 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5.5 mg/mL (13.79 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	(R)-ONO-2952 is a R-enantiomer of ONO-2952. ONO-2952 is a potent, selective and orally active TSPO antagonist with K _i s of 0.33-9.30 nM for rat and human TSPO. ONO-2952 is more selective for TSPO than other receptors, transporters, ion channels and enzymes ^[1] .
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REFERENCES

[1]. Mitsui K, et al. Anti-stress effects of ONO-2952, a novel translocator protein 18 kDa antagonist, in rats. *Neuropharmacology*. 2015 Dec;99:51-66.

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

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