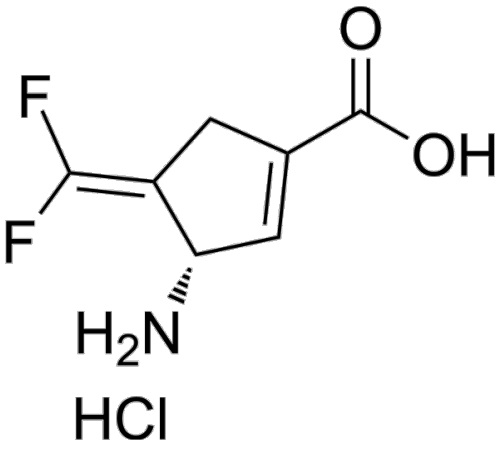
Product Data Sheet

Product Name: OV329 hydrochloride
Cat. No.: GC79500

Chemical Properties

Cas. No.	2093928-29-9		
Formula	$C_7H_8ClF_2NO_2$	M.Wt	211.59
Solubility	DMSO: 100 mg/mL (472.61 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

OV329 hydrochloride is a potent GABA aminotransferase inactivator. OV329 hydrochloride is a Vigabatrin analogue. OV329 hydrochloride can increase brain GABA levels and block abnormal

intracerebral hyperexcitability. OV329 hydrochloride exhibits anticonvulsant and antiepileptic activities. OV329 hydrochloride can be used for the research of neurological disease, such as seizure [1].

In Vivo, OV329 hydrochloride (5-40 mg/kg, i.p.) shows anticonvulsant effect in pentylenetetrazole-induced seizuring rats[1]. OV329 hydrochloride (30-40 mg/kg, i.p.) increases the afterdischarge threshold in amygdala-kindled rats[1].

References:
[1]. Feja M, et al. OV329, a novel highly potent γ-aminobutyric acid aminotransferase inactivator, induces pronounced anticonvulsant effects in the pentylenetetrazole seizure threshold test and in amygdala-kindled rats. Epilepsia. 2021 Dec;62(12):3091-3104.