

Product Name: LY2365109 (hydrochloride)
Cat. No.: GC90597

Cas. No. 1779796-27-8

Formula $C_{22}H_{27}NO_5 \cdot HCl$

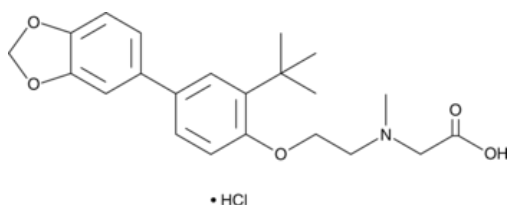
M.Wt 421.9

Solubility	DMSO : ≥ 31 mg/mL (73.48 mM); H ₂ O : < 0.1 mg/mL (insoluble)	Storage	Store at -20°C
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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.
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Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.
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Structure



LY2365109 is an inhibitor of glycine transporter 1a (GlyT1a; IC₅₀ = 15.8 nM in BE2-C cells expressing the human transporter).¹ It is selective for GlyT1a over GlyT2 (IC₅₀ = >30 μM in RD cells expressing the human transporter). LY2365109 (10 mg/kg) induces locomotor peractivity, impaired gait, compulsive walking, and labored breathing, as well as impairs the ability to stand, in rats.¹ It also prevents maximal electroshock-induced acute seizures in mice and decreases the number of seizures in an electroshock-induced rat model of chronic epilepsy when administered at doses of 30 and 10 mg/kg, respectively.²

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

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