


Certificate of Analysis

Catalog Number	BP10681
Product Name	Talampanel

Physical and Chemical Properties

Synonyms	LY-300164, GYKI-53773
CAS No.	161832-65-1
Chemical Formula	C ₁₉ H ₁₉ N ₃ O ₃
Molecular Weight	337.379
Solubility	DMSO: 25 mg/mL (62.09 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Talampanel (LY300164) is an orally and selective α -amino-3-hydroxy-5-methyl-4-isoxazolepropionate (AMPA) receptor antagonis with anti-seizure activity. Talampanel (IVAX) has neuroprotective effects in rodent stroke models. Talampanel attenuates caspase-3 dependent apoptosis in mouse brain.
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Analytical Data

HPLC	Shows Min >99% purity
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H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

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