

Jtp 2942

Chemical Properties

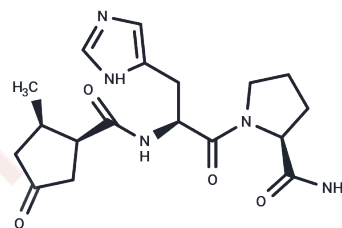
CAS No. : 148152-77-6

Formula: C₁₈H₂₅N₅O₄

Molecular Weight: 375.429

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Jtp 2942 is a new thyrotropin-releasing hormone analog.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6636 mL	13.3181 mL	26.6361 mL
5 mM	0.5327 mL	2.6636 mL	5.3272 mL
10 mM	0.2664 mL	1.3318 mL	2.6636 mL
50 mM	0.0533 mL	0.2664 mL	0.5327 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Ikeda K, Iwasaki Y, Kinoshita M. JTP-2942, a novel thyrotropin-releasing hormone analogue, protects against spinal motor neuron degeneration in the wobbler mouse. *Neurosci Lett.* 1998 Jun 26;250(1):9-12. PubMed PMID: 9696053.

Matsushita M, Yonemori F, Hamada A, Toide K, Iwata K. Effect of JTP-2942, a novel thyrotropin-releasing hormone analogue, on pentobarbital-induced anesthesia in rats. *Eur J Pharmacol.* 1995 Mar 24;276(1-2):177-82. PubMed PMID: 7781687.

Katsumata T, Katayama Y, Yonemori H, Muramatsu H, Otori T, Nishiyama Y, Yamada H, Nakamura H, Terashi A. Delayed administration of JTP-2942, a novel thyrotropin-releasing hormone analogue, improves cerebral blood flow and metabolism in rat postischaemic brain. *Clin Exp Pharmacol Physiol.* 2001 Jan-Feb;28(1-2):48-54. PubMed PMID: 11153536.

Urayama A, Yamada S, Deguchi Y, Kimura R, Maeda Y, Kobayashi T. Brain receptor binding characteristics and pharmacokinetics of JTP-2942, a novel thyrotropin-releasing hormone (TRH) analogue. *Life Sci.* 1999;65(22):2407-15. PubMed PMID: 10597895.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481