

LY3020371 biochemical

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CATALOG #
AAA227632

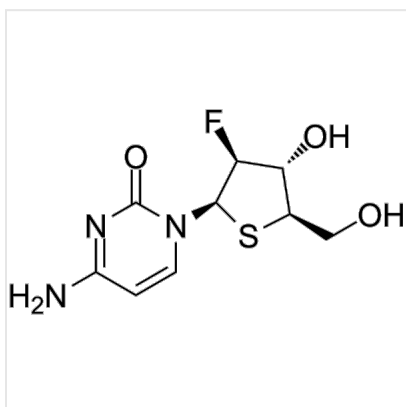
PRODUCT SYNONYMS

LY3020371; LY3020371 biochemical

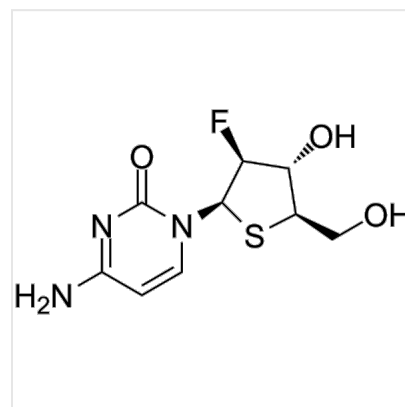
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1377615-75-2
Targets&IC50	hmGluR3:2.50 nM (Ki), hmGluR2:5.26 nM (Ki)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	LY3020371 (0.3-3mg/kg, a single i.v.) significantly increases the number of spontaneously active dopamine cells in the ventral tegmental area (VTA) of rats[2]. LY3020371 (1-10 mg/kg, i.p. once a week for 5 weeks) dose dependently increases tissue oxygen in the anterior cingulate cortex (ACC) of rats[2]. LY3020371 (10 mg/kg, a single i.p.) increases in monoamine efflux in the medial prefrontal cortex of freely moving rats[2]. LY3020371 (1-30 mg/kg, a single i.v.) increases the cumulative wake time of rats in a dose- and time-dependent manner without rebound hypersomnolence[2]. LY3020371 (0.1-10 mg/kg, a single i.v.) decrease the time rats are immobile in the forced-swim test in the rat forced-swim assay[2]. Animal Model: Male Sprague-Dawley rats (230-350 g)[1]. Dosage: 0.3, 1, 3mg/kg. Administration: I.v. daily 5 days per week for 2 weeks. Result: Increased the number of actively firing dopamine neurons in the VTA of anesthetized rats.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
FF-10502, CAS 184302-49-6



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ADDITIONAL INFORMATION

Related Product Information for LY3020371 biochemical

LY3020371 is a potent and selective antagonist of glutamate (mGlu) 2/3 receptor, with K_i s of 5.26 and 2.50 nM for hmGluR2 and hmGluR3, respectively. LY3020371 can be used for the research of depression.

References

1. Shinji Mima, et al. FF-10502, an Antimetabolite with Novel Activity on Dormant Cells, Is Superior to Gemcitabine for Targeting Pancreatic Cancer Cells. J Pharmacol Exp Ther. 2018 Jul;366(1):125-135.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/ly3020371/227632>