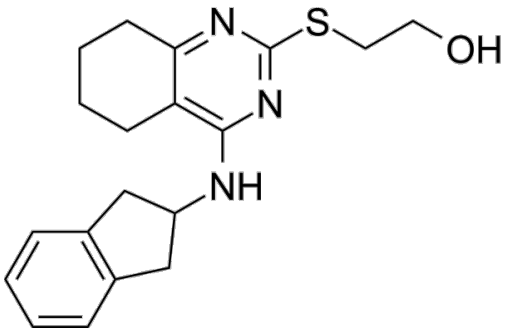
Product Data Sheet

Product Name: LY456066
Cat. No.: GC72895

Chemical Properties

Cas. No.	338738-66-2		
Formula	$C_{19}H_{23}N_3OS$	M.Wt	341.47
Solubility		Storage	-20°C, protect from light, stored under nitrogen
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

LY456066 is a selective non-competitive metabotropic glutamate receptors (mGluR1) antagonist with an IC50 value of 52.0 nM. LY456066 is effective in rodent models of anxiolysis and nociception. LY456066 reduces peralgesia and the amount of licking and flinching following formalin injection, which is promising for research of analgesics for chronic pain.

Caution: Product has not been fully validated for medical applications. For research use only.
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Address: 10292 Central Ave. #205, Montclair, CA, USA

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References:

[1]. El-Kouhen O, et al. Blockade of mGluR1 receptor results in analgesia and disruption of motor and cognitive performances: effects of A-841720, a novel non-competitive mGluR1 receptor antagonist. Br J Pharmacol. 2006 Nov;149(6):761-74.

[2]. Varty GB, et al. The antinociceptive and anxiolytic-like effects of the metabotropic glutamate receptor 5 (mGluR5) antagonists, MPEP and MTEP, and the mGluR1 antagonist, LY456236, in rodents: a comparison of efficacy and side-effect profiles. Psychopharmacology (Berl). 2005 Apr;179(1):207-17.

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