

Certificate of Analysis

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Product Name: LY 225910

Catalog No.: 1018

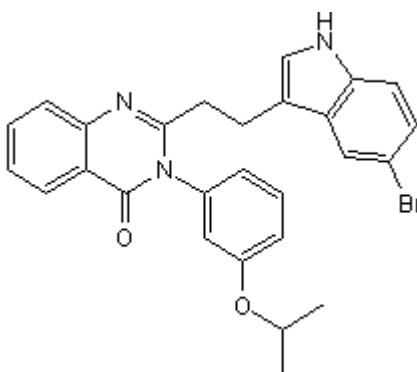
Batch No.: 3

CAS Number: 133040-77-4

IUPAC Name: 2-[2-(5-Bromo-1*H*-indol-3-yl)ethyl]-3-[3-(1-methylethoxy)phenyl]-4-(3*H*)-quinazoline

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₇H₂₄BrN₃O₂
Batch Molecular Weight: 502.41
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Desiccate at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.2 (Ethyl acetate:Petroleum ether [2:3])
Melting Point: Between 179 - 180°C
¹H NMR: Consistent with structure
Microanalysis:

	Carbon Hydrogen Nitrogen			
Theoretical	64.55	4.81	8.36	0 0 0
Found	64.55	4.79	8.37	0 0 0

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Potent CCK₂ receptor antagonist (IC₅₀ = 9.3 nM for inhibition of ¹²⁵I-labeled CCK-8 sulfate binding at mouse brain membranes).

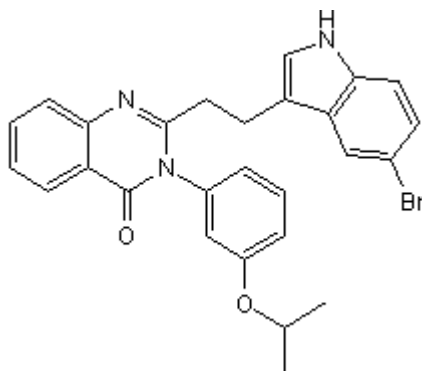
Physical and Chemical Properties:

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Storage: Desiccate at -20°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Yu *et al* (1991) Quinazolinone cholecystokinin receptor ligands. *J.Med.Chem.* **34** 1505. PMID: 2016728.

Suman-Chauhan *et al* (1996) The influence of guanyl nucleotide on agonist and antagonist affinity at guinea-pig CCK-B / gastrin receptors: binding studies using [³H]PD140376. *Regul.Pept.* **65** 37. PMID: 8876034.

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