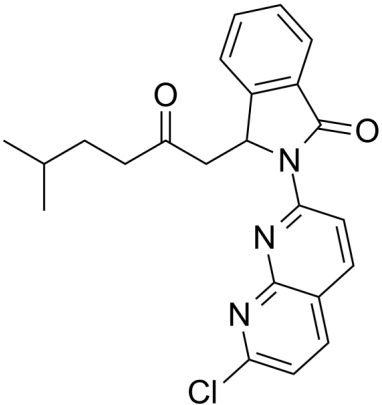


Certificate of Analysis

Catalog Number	BP16115
Product Name	Pagoclone

Physical and Chemical Properties

Synonyms	CI-1043, RP-62955, IP456, IP-456, CI1043, RP-59037
CAS No.	133737-32-3
Chemical Formula	C ₂₃ H ₂₂ ClN ₃ O ₂
Molecular Weight	407.9
Solubility	DMSO: 8 mg/mL (19.61 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of Pagoclone is shown. It features a 7-chloroquinoline ring system connected via its nitrogen atom to the nitrogen of an indole-2-one ring. The indole-2-one ring is further substituted at the 3-position with a 4-isobutyl-4-oxobutyl chain.</p>

Product Information

Description	Pagoclone is a GABA receptor agonist and can be used for studies on the treatment of stuttering, panic disorder, and generalized anxiety. Pagoclone is a partial agonist at $\alpha 1$ -, $\alpha 2$ - and $\alpha 5$ -containing GABAA receptors and a full agonist at receptors containi
In vitro	Pagoclone (3 mg/kg, p.o.) produces a dose-dependent increase in time spent on the open arms. Pagoclone (1, 3 or 10 mg/kg) lowers the cumulative chain-pulling response in the response sensitivity test. Plasma pagoclone concentrations are dose-dependent but not linear, with plasma concentrations of pagoclone being 0.4 ± 0.1 , 1.1 ± 0.2 and 2.2 ± 0.2 ng/mL, respectively. Pagoclone (3 mg/kg, p.o.) has significant anxiolytic-like activity, but Pagoclone(0.3, 1, 3 mg/kg p.o.) produces a significant reduction in the total distance travelled.

Analytical Data

HPLC	Shows Min >99% purity
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.

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