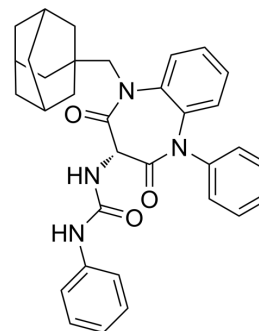


## GV-150013

Cat. No.:	HY-106356
CAS No.:	167355-22-8
Molecular Formula:	C <sub>33</sub> H <sub>34</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	534.65
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	GV-150013 is a selective CCK-B receptor antagonist. GV-150013 has sleep aid effect <sup>[1]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	CCK-B <sup>[1]</sup>								
<b>In Vivo</b>	<p>GV-150013 (0.5 - 60µg/kg, ip, Once) increase REM sleep and non-REM sleep in old rats model<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Old rats <sup>[2]</sup>.</td> </tr> <tr> <td>Dosage:</td> <td>0.5 µg/kg, 5µg/kg, 60µg/kg</td> </tr> <tr> <td>Administration:</td> <td>Intraperitoneal injection, Once</td> </tr> <tr> <td>Result:</td> <td>The duration of REM sleep and non-REM sleep was longer than that of control.</td> </tr> </table>	Animal Model:	Old rats <sup>[2]</sup> .	Dosage:	0.5 µg/kg, 5µg/kg, 60µg/kg	Administration:	Intraperitoneal injection, Once	Result:	The duration of REM sleep and non-REM sleep was longer than that of control.
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Result:	The duration of REM sleep and non-REM sleep was longer than that of control.								

### REFERENCES

[1]. Crespi F. Cholecystokinin-B (CCK-B) receptor antagonists improve "aged" sleep: a new class of sleep modulators? *Methods Find Exp Clin Pharmacol.* 1999 Jan-Feb;21(1):31-8.

[2]. F.Crespi, et al. Influence of cholecystokinin-B (CCK-B) receptor antagonists on rat electroencephalography (EEG): A new class of sleep modulators? Gaviraghi. Dept of Pharmacology GlaxoWellcome S.p.A., Medicine Research Centre, via A. Fleming, 4, 37135 Verona, Italy

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA