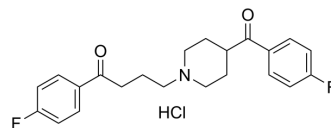


Lenperone hydrochloride

Cat. No.:	HY-114682A
CAS No.:	24677-86-9
Molecular Formula:	C ₂₂ H ₂₄ ClF ₂ NO ₂
Molecular Weight:	407.88
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Lenperone hydrochloride (AHR 2277) is an antipsychotic compound and a dopamine antagonist. Lenperone hydrochloride reduces gastroesophageal sphincter pressure of healthy dogs. Lenperone hydrochloride can be used for neurological disease research ^{[1][2]} .								
In Vivo	<p>Lenperone hydrochloride (0.16 and 0.44 mg/kg; intramuscular injection; once) decreases mean gastroesophageal sphincter pressure (GESP) of healthy dogs^[1].</p> <p>Lenperone hydrochloride (0.5, 1.0 and 2.0 mg/kg; subcutaneous injection) shows antipsychotic effects with inducing a dose-dependently cataleptic state and reducing bilateral lesion of the nucleus interstitialis stria terminalis in rats with brain damage^[2].</p> <p>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>Healthy adult dogs^[1]</td> </tr> <tr> <td>Dosage:</td> <td>0.16 and 0.44 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Intramuscular injection; 0.16 and 0.44 mg/kg, once</td> </tr> <tr> <td>Result:</td> <td>Effectively decreased gastroesophageal sphincter pressure (GESP) of dogs.</td> </tr> </table>	Animal Model:	Healthy adult dogs ^[1]	Dosage:	0.16 and 0.44 mg/kg	Administration:	Intramuscular injection; 0.16 and 0.44 mg/kg, once	Result:	Effectively decreased gastroesophageal sphincter pressure (GESP) of dogs.
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REFERENCES

- [1]. Johnson SE, et al. Effect of lenperone hydrochloride on gastroesophageal sphincter pressure in healthy dogs. *Can J Vet Res.* 1989 Apr;53(2):248-50.
- [2]. Costall B, Naylor RJ. Mesolimbic involvement with behavioural effects indicating antipsychotic activity. *Eur J Pharmacol.* 1974 Jun;27(1):46-58.

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

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