



LKT Laboratories, Inc.

AWD 131-138

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Product Information

Product ID A8812

CAS No. 188116-07-6

Chemical Name

Synonym ELB138, ELB-138, ELB 138, Imepitoin

Formula $C_{13}H_{14}ClN_3O_2$

Formula Wt. 279.72

Melting Point

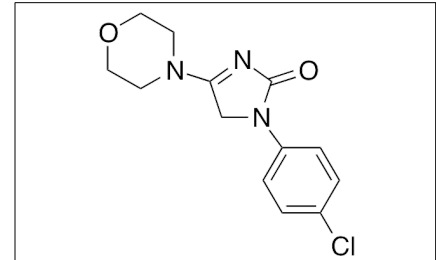
Purity $\geq 99\%$

Solubility 10 mM in DMSO

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description AWD 131-138 is a positive allosteric modulator of GABA-A receptors; it acts at the benzodiazepine site. AWD 131-138 is used in veterinary medicine to treat canine epilepsy as it displays anticonvulsant and antiepileptic activities. In various animal models, this compound prevents convulsions and the development of epilepsy and increases seizure thresholds.



Bulk quantities available upon request

Product ID	Size
A8812	1 mg
A8812	5 mg
A8812	10 mg
A8812	25 mg
A8812	50 mg

References Rundfeldt C, Löscher W. The pharmacology of imepitoin: the first partial benzodiazepine receptor agonist developed for the treatment of epilepsy. *CNS Drugs*. 2014 Jan;28(1):29-43. PMID: 24357084.

Löscher W, Hoffmann K, Twele F, et al. The novel antiepileptic drug imepitoin compares favourably to other GABA-mimetic drugs in a seizure threshold model in mice and dogs. *Pharmacol Res*. 2013 Nov;77:39-46. PMID: 24056205.

Yasar S, Bergman J, Munzar P, et al. Evaluation of the novel antiepileptic drug, AWD 131-138, for benzodiazepine-like discriminative stimulus and reinforcing effects in squirrel monkeys. *Eur J Pharmacol*. 2003 Apr 4;465(3):257-65. PMID: 12681437.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.