

Data Sheet

Product Information

Catalog Number	BP12687
Product Name	Emetine
Description	Emetine extracted from the roots of the roots is an effective antiprotozoal and emetic agent, and effectively inhibits autophagy, anti-malarial, anti-bacterial and anti-ameba effects.
In vitro	Emetine accumulates SQSTM1 and MAP1LC3B in SNB-19 cells, indicating autophagy is blocked. Emetine dose-dependently decreases NS1 protein level in HEK293 cells infected with the African prototype, ZIKV MR766 (IC ₅₀ =52.9 nM). Emetine directly inhibits ZIKV NS5 RNA polymerase activity with an IC ₅₀ of 121 nM.
In vivo	Emetine (1 mg/kg/day; retro-orbital injection; for six days) reduces the levels of circulating ZIKV approximately 10-fold in three-month-old female SJL mice with ZIKVBR. Emetine (0.002, 0.02, 0.2, 2 mg/kg/day; i.p.) not only attenuates blood glucose levels in dose-dependent way but also induces a persistent attenuation of blood glucose levels in C57Bl/6 male mice (20-25 g) .
Synonyms	Emetin, Cephaeline methyl ether
CAS No.	483-18-1
Chemical Formula	C ₂₉ H ₄₀ N ₂ O ₄
Molecular Weight	480.649
Solubility	DMSO: 10 mM
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure OR Tested Image	
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v2 Revision on 12/28/2022

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