



LKT Laboratories, Inc.

Praziquantel

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Product Information

Product ID P7103

CAS No. 55268-74-1

Chemical Name 2-(Cyclohexylcarbonyl)-1,2,3,6,7-11b-hexahydro-4H-pyrazino[2,1-a]isoquinolin-4-one

Synonym Biltricide, Cesol, Droncit

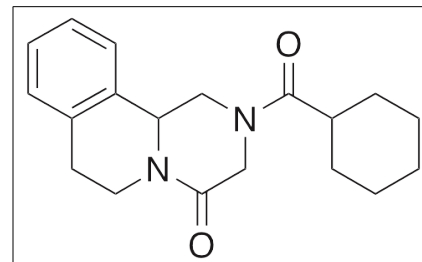
Formula C₁₉H₂₄N₂O₂

Formula Wt. 312.41

Melting Point 136-138°C

Purity ≥98%

Solubility Soluble in ethanol or chloroform.



Bulk quantities available upon request

Product ID	Size
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P7103	1 g
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P7103	5 g
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P7103	25 g
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Store Temp Ambient

Ship Temp Ambient

Description Praziquantel is an anti-parasitic/anti-helminthic that is commonly used to treat schistosomiasis. Praziquantel increases membrane permeability, altering intracellular Ca²⁺ levels and inducing neuromuscular paralysis in parasites. Praziquantel may inhibit adenosine uptake and voltage-gated Ca²⁺ channels. In animal models, praziquantel reverses *Schistosoma*-induced hypertension and vascular remodeling.

References Cioli D, Pica-Mattoccia L, Basso A, et al. Schistosomiasis control: praziquantel forever? Mol Biochem Parasitol. 2014 Jun 21;195(1):23-29. PMID: 24955523.

Chan JD, Zarowiecki M, Marchant JS. Ca²⁺ channels and praziquantel: a view from the free world. Parasitol Int. 2013 Dec;62(6):619-28. PMID: 23246536.

Crosby A, Jones FM, Kolosionek E, et al. Praziquantel reverses pulmonary hypertension and vascular remodeling in murine schistosomiasis. Am J Respir Crit Care Med. 2011 Aug 15;184(4):467-73. PMID: 21659614.

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