

Product Name:	Praziquantel
Product Number:	P011
CAS Number:	55268-74-1
Molecular Formula:	$C_{19}H_{24}N_2O_2$
Molecular Weight:	312.41
Form:	Powder
Appearance:	White or off-white crystalline powder
Solubility:	Ethanol (50mg/mL): Clear to Light Yellow Solution
Source:	Synthetic
Storage Conditions:	-20°C
Description:	Praziquantel is an anti-helminthic that causes contractions and paralysis in non-resistant organisms. Research suggests praziquantel works mostly by increasing cell permeability.
Mechanism of Action:	Praziquantel increases the permeability of the tegmentum to Ca^{2+} inducing paralytic muscle contraction and death. Recent studies have indicated that praziquantel binds to a variant of the β - subunit of the voltage gated Ca^{2+} channel and to actin, which is a component of some Ca^{2+} channels.