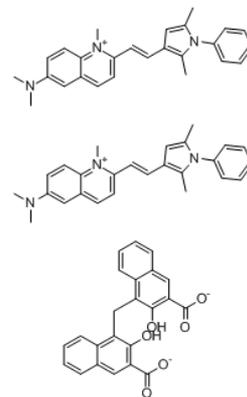


Product Name : Pyrvinium pamoate
Cat. No. : PC-46115
CAS No. : 3546-41-6
Molecular Formula : $C_{26}H_{28}N_3 \cdot 1/2 C_{23}H_{14}O_6$
Molecular Weight : 575.70
Target : Casein Kinase
Solubility : DMSO: ≥ 24 mg/mL



Biological Activity

Pyrvinium pamoate is an anthelmintic effective agent for pinworms that shows to be a potent inhibitor of **Wnt signaling** with EC50 of 10 nM, binds to all **CK1** family members in vitro at low nanomolar concentrations and selectively potentiates **CK1 α** kinase activity.

Pyrvinium pamoate inhibits Wnt signaling downstream of β -catenin, and promotes Pygopus degradation.

Pyrvinium pamoate also is a potent inhibitor of **HH signaling** by reducing the stability of the **Gli** family of transcription factors.

References

Thorne CA, et al. *Nat Chem Biol*. 2010 Nov;6(11):829-36.

Li B, et al. *Cancer Res*. 2014 Sep 1;74(17):4811-21.

Li B, et al. *Sci Signal*. 2017 Jun 27;10(485). pii: eaak9916.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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