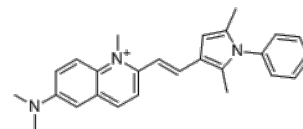


Product Name : Pyrvinium
Cat. No. : PC-60383
CAS No. : 7187-62-4
Molecular Formula : C₂₆H₂₈N₃⁺
Molecular Weight : 382.52
Target : Casein Kinase
Solubility : 10 mM in DMSO



Biological Activity

Pyrvinium 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 **CK1α** kinase activity.

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

Pyrvinium 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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