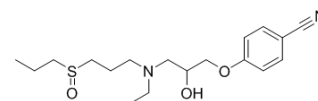


Almokalant

Cat. No.:	HY-106855
CAS No.:	123955-10-2
Molecular Formula:	C ₁₈ H ₂₈ N ₂ O ₃ S
Molecular Weight:	352.49
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Almokalant is a class III antiarrhythmic drug, acts as a potassium channel blocker, and inhibits a specific component (I _{kr}) of the time-dependent delayed rectifier K ⁺ current.
IC₅₀ & Target	Potassium channel ^[1]
In Vitro	Almokalant is a class III antiarrhythmic drug, acts as a potassium channel blocker, and inhibits a specific component (I _{kr}) of the time-dependent delayed rectifier K ⁺ current ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Almokalant (125 μmol/kg, p.o.) induces cardiovascular defects, orofacial clefts, and tail defects in pregnant rats, after administration on Day 11. Almokalant also causes in pregnant rats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wellfelt K, et al. Teratogenicity of the class III antiarrhythmic drug almokalant. Role of hypoxia and reactive oxygen species. *Reprod Toxicol.* 1999 Mar-Apr;13(2):93-101.

Caution: Product has not been fully validated for medical applications. For research use only.

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