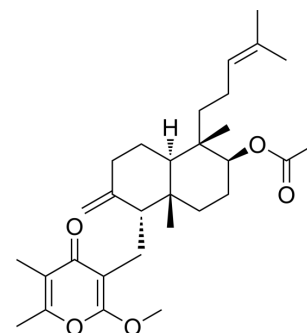


Nalanthalide

Cat. No.:	HY-N8372
CAS No.:	145603-76-5
Molecular Formula:	C ₃₀ H ₄₄ O ₅
Molecular Weight:	484.67
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	Nalanthalide is a voltage-gated potassium channel Kv1.3 blocker (IC ₅₀ =3.9 μM) and a potential immunosuppressant. Nalanthalide can be used for research on inflammatory immune diseases, such as neuroinflammation ^{[1][2]} .
IC₅₀ & Target	IC ₅₀ : 3.9 μM (Kv1.3) ^[1] .

REFERENCES

[1]. Singh SB, et al. Candelalides A-C: novel diterpenoid pyrones from fermentations of *Sesquicillium candelabrum* as blockers of the voltage-gated potassium channel Kv1.3. *Org Lett.* 2001 Jan 25;3(2):247-50.

[2]. Michael A Goetz, et al. Diterpenoid pyrones, novel blockers of the voltage-gated potassium channel Kv1.3 from fungal fermentations. *Tetrahedron Lett.* 2001Feb 12;42(7):1255-1257.

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

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