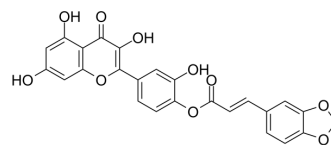


KCa1.1 channel activator-1

Cat. No.:	HY-146173
Molecular Formula:	C ₂₅ H ₁₆ O ₁₀
Molecular Weight:	476.39
Target:	Potassium Channel; Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	KCa1.1 channel activator-1 (compound 1E), a Quercetin hybrid derivative, is a selective vascular K _{Ca} 1.1 channel channel stimulator. KCa1.1 channel activator-1 also displays Ca _v 1.2 channel blocking activity. KCa1.1 channel activator-1 exhibits weak myorelaxant activity ^[1] .
IC ₅₀ & Target	KCa1.1 channel ^[1]

REFERENCES

[1]. Carullo G, et, al. Design, synthesis and pharmacological evaluation of ester-based quercetin derivatives as selective vascular K Ca 1.1 channel stimulators. Bioorg Chem. 2020 Dec;105:104404.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA