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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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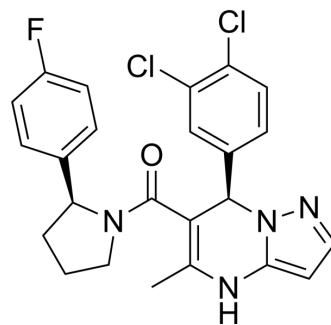
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BMS-394136

Cat. No.:	HY-107036
CAS No.:	343246-73-1
Molecular Formula:	C ₂₄ H ₂₁ Cl ₂ FN ₄ O
Molecular Weight:	471.35
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

BMS-394136 (compound 1) is a potent inhibitor of Kv 1.5, with an IC₅₀ of 0.05 μM. BMS-394136 is a selective IK_{Kur} inhibitor. BMS-394136 dose-dependently prolongs atrial effective refractory period (AERP) and action potential duration (APD) without effecting ventricular effective refractory period (VERP). BMS-394136 can be used for acute atrial ischemia research^[1]

REFERENCES

- [1]. Gunaga P, et al. Selective IK_{Kur} Inhibitors for the Potential Treatment of Atrial Fibrillation: Optimization of the Phenyl Quinazoline Series Leading to Clinical Candidate 5-[5-Phenyl-4-(pyridin-2-ylmethylamino)quinazolin-2-yl]pyridine-3-sulfonamide. *J Med Chem.* 2017 May 11;60(9):3795-3803.
- [2]. Dezhi Xing, et al. Abstract 12964: Acute Atrial Ischemia Increases the Activity of BMS-394136, a Selective IK_{Kur} Inhibitor, on Atrial Refractoriness and APD. Originally published 23 Mar 2018. *Circulation.* 2010;122:A12964.

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

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