

Product Data Sheet

Product Name: AM-0883

Cat. No.: GC79526

Chemical Properties

Cas. No.

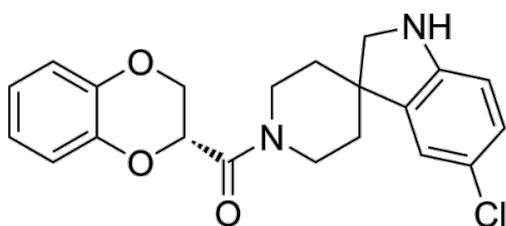
Formula $C_{21}H_{21}ClN_2O_3$ M.Wt 384.86

Solubility Storage Store at 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

AM-0883 is a TRPC6 (Transient receptor potential canonical 6) agonist (hTRPC6 EC₅₀ = 46 nM). AM-0883 can be used for the study of cardiac and renal diseases [1] [2].

In Vitro, AM-0883 can activate HEK293T cells WT TRPC6 (EC₅₀ = 45.5 nM) and HEK293T N-terminal truncation mutant TRPC6 (Δ2–72) (EC₅₀ = 90.2 nM)^[1]. AM-0883 functionally activates the channel through specific residues at the S6/pore helix junction^[1]. AM-0883 shows a significantly stronger activating effect on the V867T/L868T double mutant than on the wild-type channel^[1].

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

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References:

- [1]. Bai Y, et al. Structural basis for pharmacological modulation of the TRPC6 channel. *Elife*. 2020 Mar 9;9:e53311.
- [2]. Chubanov V, et al. Physiological functions and pharmacological targeting of transient receptor potential channels. *Pharmacol Rev*. 2025 Nov;77(6):100089.

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