

## Product Data Sheet

Product Name: VU6080824 hydrochloride

Cat. No.: GC79537

### Chemical Properties

Cas. No.

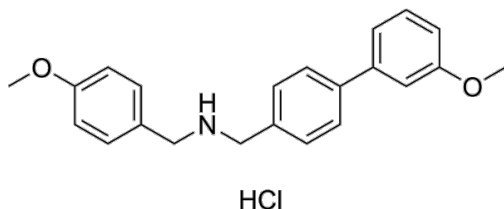
Formula  $C_{22}H_{24}ClNO_2$  M.Wt 369.88

Solubility DMSO: 20 mg/mL (54.07 mM; Need ultrasonic) Storage Store at 4°C, away from moisture

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

VU6080824 (hydrochloride), a derivative of ML-133, is an inward-rectifier potassium channel (Kir 2.1) inhibitor with an  $IC_{50}$  of 0.35  $\mu$ M. VU6080824 (hydrochloride) has superior thallium flux and manual patch clamp (MPC) functional potency [1].

### References:

[1]. Duncan RA, et al. Characterization of Next-Generation Inhibitors for the Inward-Rectifier Potassium Channel Kir2.1: Discovery of VU6080824. ACS Med Chem Lett. 2025 Aug 29;16(9):1762-

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

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