

Product Data Sheet

Product Name: Amelparib hydrochloride

Cat. No.: GC70421

Chemical Properties

Cas. No.

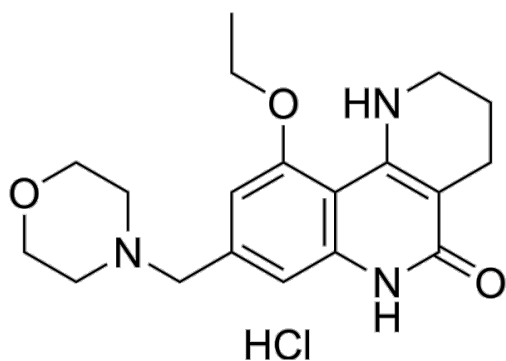
Formula $C_{19}H_{26}ClN_3O_3$ M.Wt 379.88

Solubility DMSO : 100 mg/mL (263.24 mM; Storage 4°C, sealed storage, away from moisture
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the solubility of product, please use newly opened DMSO)

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

Amelparib (JPI-289) hydrochloride is a potent, orally active, and water-soluble inhibitor of PARP-1. Amelparib hydrochloride inhibits PARP-1 activity (IC₅₀ = 18.5 nM) and cellular PAR formation (IC₅₀ = 10.7 nM). Amelparib hydrochloride is a potential neuroprotective agent. Amelparib hydrochloride has the potential for the research of acute ischaemic stroke.

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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References:

- [1]. Kim Y, et al. Neuroprotective effects of a novel poly (ADP-ribose) polymerase-1 inhibitor, JPI-289, in hypoxic rat cortical neurons. Clin Exp Pharmacol Physiol. 2017;44(6):671-679.
- [2]. Kim Y, et al. Neuroprotective effects of a novel poly (ADP-ribose) polymerase-1 inhibitor, JPI-289, in hypoxic rat cortical neurons. Clin Exp Pharmacol Physiol. 2017;44(6):671-679

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