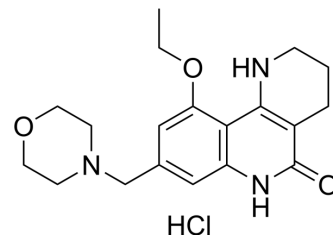


## Amelparib hydrochloride

Cat. No.:	HY-116218C
Molecular Formula:	C <sub>19</sub> H <sub>26</sub> ClN <sub>3</sub> O <sub>3</sub>
Molecular Weight:	379.88
Target:	PARP
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### BIOLOGICAL ACTIVITY

#### Description

Amelparib (JPI-289) hydrochloride is a potent, orally active, and water-soluble inhibitor of PARP-1. Amelparib hydrochloride inhibits PARP-1 activity (IC<sub>50</sub> = 18.5 nM) and cellular PAR formation (IC<sub>50</sub> = 10.7 nM). Amelparib hydrochloride is a potential neuroprotective agent. Amelparib hydrochloride has the potential for the research of acute ischaemic stroke<sup>[1]</sup>.

### 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

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

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