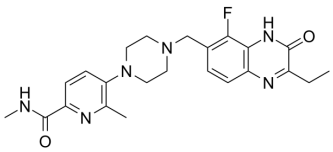
AZ3391

Cat. No.:	HY-144874
CAS No.:	2756333-42-1
Molecular Formula:	$C_{23}H_{27}FN_6O_2$
Molecular Weight:	438.5
Target:	PARP
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 16.67 mg/mL (38.02 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.2805 mL	11.4025 mL	22.8050 mL
5 mM	0.4561 mL	2.2805 mL	4.5610 mL
10 mM	0.2281 mL	1.1403 mL	2.2805 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

AZ3391 is a potent inhibitor of PARP. AZ3391 is a quinoxaline derivative. PARP family of enzymes play an important role in a number of cellular processes, such as replication, recombination, chromatin remodeling, and DNA damage repair. AZ3391 has the potential for the research of diseases and conditions occurring in tissues in the central nervous system, such as the brain and spinal cord (extracted from patent WO2021260092A1, compound 23)[1].

REFERENCES

[1]. Martin John Packer, et al. Quinoxaline derivatives as anti-cancer drugs. Patent WO2021260092A1.

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

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