

## Product Datasheet

# KSQ-4279

Catalog No. **BP-02019** · CAS **2446480-97-1** · Form **free base** · Physical state **other** · Color **White to light yellow** · Version **1.0**  
· Revision **2026-09-10**

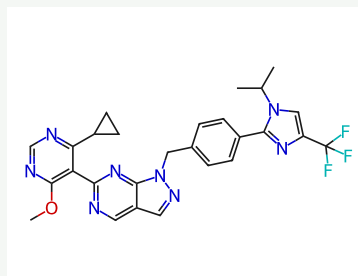
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|                                       |                                |
|---------------------------------------|--------------------------------|
| Target<br><b>Deubiquitinase; PARP</b> | Research area<br><b>Cancer</b> |
|---------------------------------------|--------------------------------|

Molecular formula **C<sub>27</sub>H<sub>25</sub>F<sub>3</sub>N<sub>8</sub>O**

Molecular weight **534.5356**

### STRUCTURE



## DESCRIPTION

KSQ-4279 is a potent, selective, first-in-class inhibitor of USP1, shows anti-proliferative effects in a subset of cell lines, including mutations in BRCA1/2.

## BIOLOGICAL ACTIVITY

USP1-IN-1 (USP1-IN-1, Formula I) is a first-in-class, selective allosteric USP1 small molecule inhibitor used in oncology research alone or in combination with PARP inhibition.

## SOLUBILITY

Soluble in DMSO

**In vitro** DMSO 80 mg/mL

## REFERENCES

[1]. Natalie Y L Ngoi, et al. Targeting the DNA damage response beyond poly(ADP-ribose) polymerase inhibitors: novel agents and rational combinations. Curr Opin Oncol. 2022 Sep 1;34(5):559-569.

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