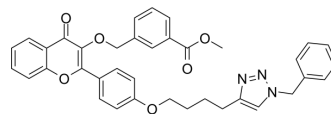


Ac32Az19

Cat. No.:	HY-132934
CAS No.:	2760674-72-2
Molecular Formula:	C ₃₇ H ₃₃ N ₃ O ₆
Molecular Weight:	615.67
Target:	BCRP
Pathway:	Membrane Transporter/Ion Channel
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 60 mg/mL (97.45 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>1.6242 mL</td> <td>8.1212 mL</td> <td>16.2425 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3248 mL</td> <td>1.6242 mL</td> <td>3.2485 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1624 mL</td> <td>0.8121 mL</td> <td>1.6242 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	1.6242 mL	8.1212 mL	16.2425 mL	5 mM	0.3248 mL	1.6242 mL	3.2485 mL	10 mM	0.1624 mL	0.8121 mL	1.6242 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3 mg/mL (4.87 mM); Clear solution																					

BIOLOGICAL ACTIVITY

Description	Ac32Az19 is a potent, nontoxic, and highly selective BCRP inhibitor with an EC ₅₀ value of 13 nM in the BCRP-overexpressed HEK293/R2 cells.
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REFERENCES

[1]. Wong ILK, et al. Flavonoid Monomers as Potent, Nontoxic, and Selective Modulators of the Breast Cancer Resistance Protein (ABCG2). J Med Chem. 2021 Oct 14;64(19):14311-14331.

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

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