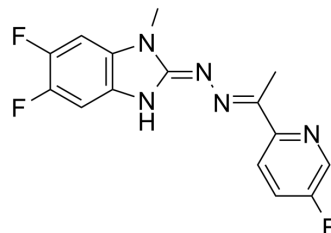


SRC-3-IN-2

Cat. No.:	HY-163469
Molecular Formula:	C ₁₅ H ₁₂ F ₃ N ₅
Molecular Weight:	319.28
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SRC-3-IN-2 (SI-12 6c) is an orally active steroid receptor coactivator 3 (SRC-3) inhibitor. SRC-3-IN-2 has antitumor activity ^[1] .																								
In Vitro	SRC-3-IN-2 IC ₅₀ value of MCF7 cell is 3.4 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.																								
In Vivo	<p>Pharmacokinetic Analysis in CD-1 mice Model^[1]</p> <table border="1"> <thead> <tr> <th>Route</th> <th>Dose (mg/kg)</th> <th>AUC_{last} (ng·h/mL)</th> <th>t_{1/2} (h)</th> <th>T_{max} (h)</th> <th>C_{max} (ng/mL)</th> <th>Cl_{obs} (mL·min/kg)</th> <th>F (%)</th> </tr> </thead> <tbody> <tr> <td>i.v.</td> <td>1</td> <td>737</td> <td>22.5</td> <td>0.033</td> <td>1066</td> <td>22</td> <td>/</td> </tr> <tr> <td>p.o.</td> <td>10</td> <td>1719</td> <td>14.3</td> <td>0.25</td> <td>217</td> <td>/</td> <td>24.6</td> </tr> </tbody> </table> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>	Route	Dose (mg/kg)	AUC _{last} (ng·h/mL)	t _{1/2} (h)	T _{max} (h)	C _{max} (ng/mL)	Cl _{obs} (mL·min/kg)	F (%)	i.v.	1	737	22.5	0.033	1066	22	/	p.o.	10	1719	14.3	0.25	217	/	24.6
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REFERENCES

[1]. Lu D, et al. Lead Compound Development of SRC-3 Inhibitors with Improved Pharmacokinetic Properties and Anticancer Efficacy. J Med Chem. 2024 Mar 29.

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

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