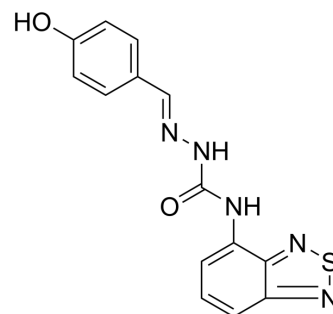


18A

Cat. No.:	HY-110253
CAS No.:	331261-50-8
Molecular Formula:	C ₁₄ H ₁₁ N ₅ O ₂ S
Molecular Weight:	313.33
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	18A (HIV-1 inhibitor 18A) is a reversible broad-spectrum HIV-1 inhibitor. 18A exhibits broad inhibitory activity against multiple HIV-1 strains by blocking the function of Env ^[1] .								
IC₅₀ & Target	HIV-1 ^[1] .								
In Vitro	<p>18A (0.01-10 μM; 40-44 h) shows specific inhibition of HIV-1JR-FL infection of human PBMCs (IC₅₀ = 0.4 μM)^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>PBMCs</td> </tr> <tr> <td>Concentration:</td> <td>0.01-10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>40-44 h</td> </tr> <tr> <td>Result:</td> <td>Inhibited infection of HIV-1JR-FL, with an IC₅₀ value of 0.4 μM.</td> </tr> </table>	Cell Line:	PBMCs	Concentration:	0.01-10 μM	Incubation Time:	40-44 h	Result:	Inhibited infection of HIV-1JR-FL, with an IC ₅₀ value of 0.4 μM.
Cell Line:	PBMCs								
Concentration:	0.01-10 μM								
Incubation Time:	40-44 h								
Result:	Inhibited infection of HIV-1JR-FL, with an IC ₅₀ value of 0.4 μM.								

REFERENCES

[1]. Herschhorn A, et al. A broad HIV-1 inhibitor blocks envelope glycoprotein transitions critical for entry. Nat Chem Biol. 2014 Oct;10(10):845-52.

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

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