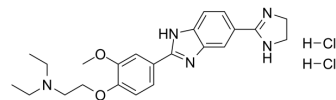


Antitrypanosomal agent 7

Cat. No.:	HY-147550
CAS No.:	2492436-38-9
Molecular Formula:	C ₂₃ H ₃₁ Cl ₂ N ₅ O ₂
Molecular Weight:	480.43
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antitrypanosomal agent 7 (compound 18c) is a potent and antitrypanosomal agent with favorable ADME properties. Antitrypanosomal agent 7 is > 2-fold more potent against <i>Trypanosoma brucei</i> (T. brucei) than Nifurtimox, with an IC ₅₀ value of 0.71 μM. Antitrypanosomal agent 7 has strong interaction to DNA and can bind with high selectivity to AT-rich DNA ^[1] .
--------------------	---

IC₅₀ & Target	IC ₅₀ : 0.71 μM (T. brucei) ^[1]
-------------------------------------	---

REFERENCES

[1]. Popov AB, et al. DNA/RNA binding and in vitro ADME profiling of novel imidazoline-substituted 2-arylbenzimidazoles. Eur J Med Chem. 2020 Dec 1;207:112802.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA