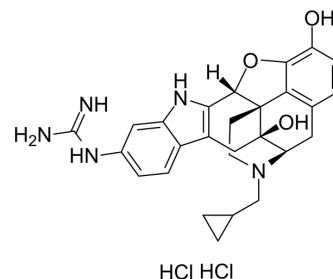


## 6'-GNTI dihydrochloride

Cat. No.:	HY-110302
CAS No.:	2410327-94-3
Molecular Formula:	C <sub>27</sub> H <sub>31</sub> Cl <sub>2</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	544.47
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

6'-GNTI dihydrochloride, a  $\kappa$ -opioid receptor (KOR) agonist, displays bias toward the activation of G protein-mediated signaling over  $\beta$ -arrestin2 recruitment. 6'-GNTI 6'-GNTI dihydrochloride only activates the Akt pathway in striatal neurons<sup>[1]</sup>.

### REFERENCES

[1]. Schmid CL, et al. Functional selectivity of 6'-guanidinonaltrindole (6'-GNTI) at  $\kappa$ -opioid receptors in striatal neurons. *J Biol Chem.* 2013;288(31):22387-22398.

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

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