

## JNJ-42314415

Cat. No.:	HY-123743
CAS No.:	1334165-90-0
Molecular Formula:	C <sub>19</sub> H <sub>23</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	353.42
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	JNJ-42314415 is a centrally active phosphodiesterase 10A (PDE10A) inhibitor, with K <sub>i</sub> values of 35 nM and 64 nM for human recombinant PDE10A and rPDE10A, respectively <sup>[1]</sup> .
IC <sub>50</sub> & Target	human PDE 10A 35 nM (K <sub>i</sub> )
In Vivo	JNJ-42314415 with high dose (24.7 mg/kg) induces hypothermia <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Anton A H P Megens, et al. Pharmacology of JNJ-42314415, a centrally active phosphodiesterase 10A (PDE10A) inhibitor: a comparison of PDE10A inhibitors with D2 receptor blockers as potential antipsychotic drugs. J Pharmacol Exp Ther. 2014 Apr;349(1):138-54.

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

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