

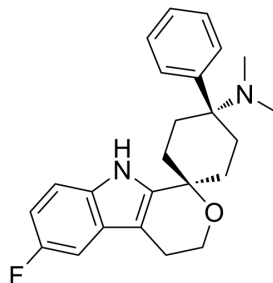
## Cebranopadol

Cat. No.: HY-15536  
CAS No.: 863513-91-1  
Batch No.: 09320  
Chemical Name: Spiro[cyclohexane-1,1'-(3'H)-pyrano[3,4-b]indol]-4-amine, 6'-fluoro-4',9'-dihydro-N,N-dimethyl-4-phenyl-, (1 $\alpha$ ,4 $\beta$ )-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>24</sub>H<sub>27</sub>FN<sub>2</sub>O  
Molecular Weight: 378.48  
Storage: Powder -20°C 3 years  
4°C 2 years  
In solvent -80°C 2 years  
-20°C 1 year

### Chemical Structure:



### ANALYTICAL DATA

Appearance: Light yellow to yellow (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Purity (LCMS): 98.46%  
Conclusion: The product has been tested and complies with the given specifications.

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

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