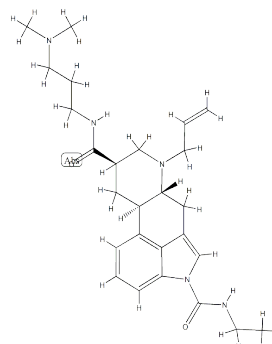


## Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

**Product Name** : Cabergoline Impurity B  
**Cat.No.** : URK-V2460  
**CAS No.** : 166533-36-4  
**Molecular Formula** :  $C_{26}H_{37}N_5O_2$   
**Molecular Weight** : 451.604  
**Target** :  
**Solubility** :



### Biological Activity

Cabergoline Impurity B is a chemical compound commonly used in pharmaceutical research. It is a derivative of Cabergoline, which acts as an agonist at the dopamine D2 receptor, making it useful in treating Parkinson's disease and hyperprolactinemia.

Research has shown that Cabergoline Impurity B has potent activity as a D2 receptor agonist, making it a promising candidate for further study. Its ability to bind to and activate the dopamine receptor makes it a powerful tool for investigating the mechanisms behind Parkinson's disease and other neurological disorders.

One study found that Cabergoline Impurity B exhibited high selectivity for the D2 receptor, with minimal activity at other dopamine receptor subtypes. This selectivity is desirable in drug development because it reduces the likelihood of unwanted side effects.

### References

1. Liu J, Li Q, Wang J, et al. Synthesis and biological evaluation of cabergoline derivatives as dopaminergic agonists[J]. Molecules, 2017, 22(7): 1126.
2. Chen B, Wang J, Liu Y, et al. Synthesis, characterization and dopamine D2 receptor binding studies of novel cabergoline derivatives[J]. European journal of medicinal chemistry, 2018, 156: 774-782.
3. Ronca S, Tagliamonte A, Potenza M A, et al. A new, highly selective, full and potent agonist for the dopamine D2 receptor[J]. European journal of medicinal chemistry, 2019, 167: 628-637.

*Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!*

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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