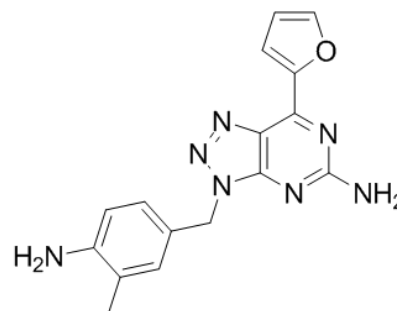


**Product Name** : Vipadenant  
**Cat. No.** : PC-42717  
**CAS No.** : 442908-10-3  
**Molecular Formula** : C<sub>16</sub>H<sub>15</sub>N<sub>7</sub>O  
**Molecular Weight** : 321.3366  
**Target** : Adenosine Receptor  
**Solubility** : DMSO: ≥ 31 mg/mL



## Biological Activity

Vipadenant (BIIB014) is a potent and selective **A2A adenosine receptor** antagonist with K<sub>i</sub> of 1.3 nM. Vipadenant (BIIB014) displays 50-fold selectivity over A1 and A2B, and no activity against A3, P450 isoforms and hERG. Vipadenant (BIIB014) shows excellent preclinical pharmacokinetics, and demonstrates strong oral activity in commonly used models of Parkinson's disease.

## References

- Gillespie RJ, et al. J Med Chem. 2009 Jan 8;52(1):33-47.  
Pinna A. Expert Opin Investig Drugs. 2009 Nov;18(11):1619-31.  
Brooks DJ, et al. Clin Neuropharmacol. 2010 Mar-Apr;33(2):55-60.

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

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