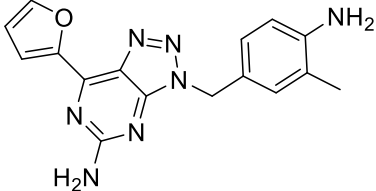


Product data sheet



| | |
|---|---|
| MedKoo Cat#: 319805 Name: Vipadenant CAS#: 442908-10-3 Chemical Formula: C ₁₆ H ₁₅ N ₇ O Exact Mass: 321.1338 Molecular Weight: 321.344 |  |
| Product supplied as: | Powder |
| Purity (by HPLC): | ≥ 98% |
| Shipping conditions | Ambient temperature |
| Storage conditions: | Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks. |

1. Product description:

Vipadenant, also known as BIIB014, CEB-4520, is a potent, selective and orally available adenosine A_{2A} receptor antagonist under development for Parkinson's disease. Vipadenant demonstrates strong oral activity in commonly used models of Parkinson's disease. Vipadenant has shown excellent preclinical pharmacokinetics and has successfully completed phase I clinical studies.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

| Solvent | Max Conc. mg/mL | Max Conc. mM |
|---------|-----------------|--------------|
| DMSO | 37.0 | 115.14 |

4. Stock solution preparation table:

| Concentration / Solvent Volume / Mass | 1 mg | 5 mg | 10 mg |
|---------------------------------------|---------|----------|----------|
| 1 mM | 3.11 mL | 15.56 mL | 31.12 mL |
| 5 mM | 0.62 mL | 3.11 mL | 6.22 mL |
| 10 mM | 0.31 mL | 1.56 mL | 3.11 mL |
| 50 mM | 0.06 mL | 0.31 mL | 0.62 mL |

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of "Calculator"

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

N/A

In vivo study

N/A

7. Bioactivity

Biological target:

Vipadenant (BIIB-014; CEB-4520) is an adenosine receptor antagonist, with K_is of 1.3 nM and 68 nM for A_{2A} and A₁, respectively.

In vitro activity

N/A

In vivo activity

N/A

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.

Product data sheet

