Product Data Sheet

**Product Name:** Armodafinil
**CAS No.:** 112111-43-0
**Cat. No.:** HY-15201
**MWt:** 273.35
**Formula:** C15H15NO2S
**Purity:** >98%

**Solubility:** DMSO $\geq$ 16 mg/mL

**Mechanisms:**
- Pathways: GPCR/G protein; Target: Dopamine Receptor
- Pathways: Nueronal Signaling; Target: Dopamine Receptor

**Biological Activity:**
Armodafinil (CRL 40982; CEP 10952) is an enantiopure drug consisting of just the active (-)-(R)-enantiomer of the racemic drug modafinil (Provigil).

IC50 value:
- Target:
  - Armodafinil is approved by the FDA for the treatment of narcolepsy and shift work sleep disorder, and as an adjunctive treatment for obstructive sleep apnea. Cephalon plans to conduct one or more Phase III clinical trials evaluating the use of Nuvigil as an adjunctive treatment for bipolar depression. The drug was being considered for the first FDA-approved medicinally-specific drug for combating jet-lag. From Wikipedia...

**References:**


*Caution: Not fully tested. For research purposes only*

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