

## Linopirdine dihydrochloride, Kv7 blocker

Catalog	Unit
TBI4654-5MG	5 mg
TBI4654-25MG	25 mg

### Product Details

**Formal Name:** 1-Phenyl-3,3-bis(pyridine-4-ylmethyl)indolin-2-one dihydrochloride

**Alternate Names:** DuP 996

**Molecular Formula:** C<sub>26</sub>H<sub>21</sub>N<sub>3</sub>O·2HCl

**Formula Weight:** 464.4

**CAS Number:** 113168-57-3

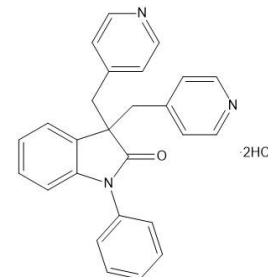
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (25 mg/ml) or in Water (25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Kv7 blocker

### Functions

Increases acetylcholine release and improves performance in animal models of learning and memory via blockade of Kv7 (KCNQ) voltage-gated potassium channels. Linopirdine is a state-dependent blocker favoring activated single subunits of the channel. It has also been shown to act as an agonist of TRPV1.

### Application Procedures

First dissolved in DMSO (25 mg/ml) or in Water (25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or water may be stored at -20°C for up to 3 months.

**For research use only.**