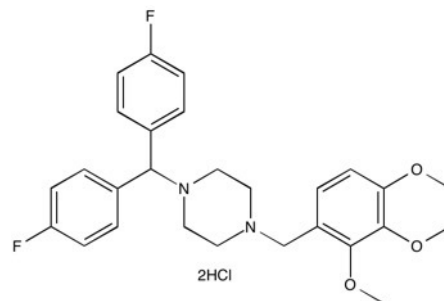


Catalog	Unit
TBI4336-10MG	10 mg
TBI4336-50MG	50 mg

### Product Details

**Formal Name:** 1-[Bis(4-fluorophenyl)methyl]-4-(2,3,4-trimethoxybenzyl)piperazine dihydrochloride  
**Alternate Names:** KB-2796  
**Molecular Formula:** C<sub>27</sub>H<sub>30</sub>F<sub>2</sub>N<sub>2</sub>O<sub>3</sub>·2HCl  
**Formula Weight:** 541.46  
**CAS Number:** 101477-54-7  
**Purity:** >98%  
**Formulation:** Powder  
**Solubility:** Soluble in DMSO (> 45 mg/ml) or in Ethanol (up to 30 mg/mL)  
**Storage:** -20°C  
**Stability:** ≥ 2 years.



### Applications

Calcium channel blocker

### Functions

Lomerizine is a clinically useful calcium channel blocker (L and T-type). It is used for the treatment of migraine headaches, however its antimigraine effects are believed to be due to its 5HT<sub>2A</sub> antagonistic effects. Lomerizine also displays anti-glaucoma effects via an increase in ocular circulation and protection of neuronal cells against retinal neurotoxicity with minimal cardiovascular effects. Lomerizine has also shown various other neuroprotective properties.

### Application Procedures

First dissolved in DMSO (> 45 mg/ml) or in Ethanol (up to 30 mg/mL), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

**For research use only.**