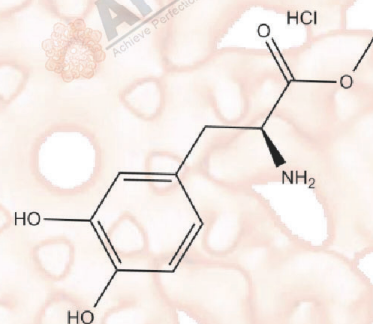


## Product Data Sheet

### L-DOPA methyl ester (hydrochloride)

<b>Cat. No.:</b>	C3785
<b>CAS No.:</b>	1421-65-4
<b>Formula:</b>	C <sub>10</sub> H <sub>13</sub> NO <sub>4</sub> ·HCl
<b>M.Wt:</b>	247.7
<b>Synonyms:</b>	3,4-Dihydroxyphenylalanine methyl ester, LDME, Levodopa methyl ester, ST 41769
<b>Target:</b>	Neuroscience
<b>Pathway:</b>	Dopamine Receptor
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

≥12.55 mg/mL in EtOH; ≥13.6 mg/mL in DMSO; ≥63.5 mg/mL in H<sub>2</sub>O

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	1 mM		4.0371 mL	20.1857 mL	40.3714 mL
	5 mM		0.8074 mL	4.0371 mL	8.0743 mL
	10 mM		0.4037 mL	2.0186 mL	4.0371 mL

Please refer to the solubility information to select the appropriate solvent.

### Biological Activity

Shortsummary

dopamine D1 receptor agonist

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APExBIO Technology**

**[www.apexbt.com](http://www.apexbt.com)**

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

