

Catalog	Unit
TBI1221 -10MG	10 mg
TBI1221 -50MG	50 mg

### Product Details

Formal Name: 1-[[3-(4,7-Dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]-4-methylpiperazine citrate.

Alternate Name: UK-92480.

Molecular Formula: C<sub>22</sub>H<sub>30</sub>N<sub>6</sub>O<sub>4</sub>S•C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>.

Formula Weight: 666.7

CAS Number: 171599-83-0.

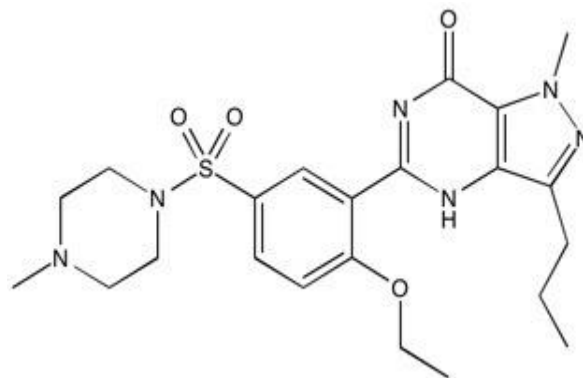
Purity: ≥98%

Formulation: Powder.

Solubility: Soluble in DMSO (up to 60 mg/ml).

Storage: -20°C.

Stability: ≥ 2 years.



### Applications

Phosphodiesterase 5 (PDE5) inhibitor.

### Functions

Sildenafil Citrate is a potent and selective phosphodiesterase (PDE5) inhibitor, IC<sub>50</sub>=4 nM). Clinically, is used for male erectile dysfunction and pulmonary hypertension.

### Application Procedures

Sildenafil Citrate can be first dissolved in DMSO (up to 60mg/mL), then diluted to aqueous buffer. The solution can be stored at -20°C for up to 2 weeks.

### Relative Products

TBI2438	EHNA Hydrochloride, PDE2 and ADA Inhibitor
TBI1220	Anagrelide HCl, PDE3 Inhibitor
TBI1008	IBMX, PDE Inhibitor (Pan Specific)
TBI1126	Vinpocetine, PDE1 Inhibitor
TBI1408	BC-11-38, PDE11 Inhibitor
TBI1319	BML-288, PDE2 Inhibitor
TBI2584	Cilostamide, PDE3 Inhibitor
TBI1131	Cilostazol, PDE3A Inhibitor
TBI2657	Roflumilast, PDE4 Inhibitor

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