

Catalog	Unit
TBI1139- 1G	1 g
TBI1139- 5G	5 g

### Product Details

**Formal Name:** (2S-cis)-3-(Acetyloxy)-5-[2-(dimethylamino)ethyl]-2,3-dihydro-2-(methoxyphenyl)-1,5-benzothiazepin-4-(5H)-one hydrochloride

**Alternate Names:** Vitamin H; Bios II; Vitamin B7; D-Biotin; Coenzyme R

**Molecular Formula:** C<sub>22</sub>H<sub>26</sub>N<sub>2</sub>O<sub>4</sub>S • HCl

**Formula Weight:** 450.98

**CAS Number:** 33286-22-5

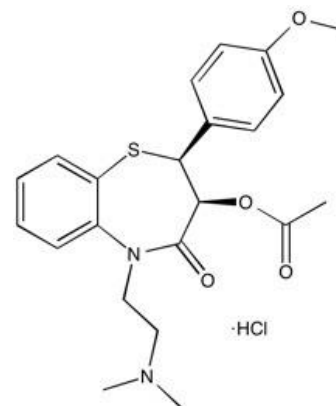
**Purity:** ≥98%

**Formulation:** Powder.

**Solubility:** Soluble in DMSO (up to 45 mg/ml) or in Water (up to 50 mg/ml)

**Storage:** RT

**Stability:** ≥ 2 years.



### Applications

Ca<sup>2+</sup> channel blocker

### Functions

A non-dihydropyridine-type blocker of L-type Ca<sup>2+</sup> channels. Reduces Ca<sup>2+</sup> oscillations in subcellular compartments in vascular smooth muscle cells. Also blocks P-type Ca<sup>2+</sup> channels in freshly dissociated rat cerebellar Purkinje neurons. Clinically useful antihypertensive agent. Cell permeable.

### Application Procedures

First dissolved in DMSO (45 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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