

Catalog	Unit
TBI1450-5MG	5 mg
TBI1450-25MG	25 mg

### Product Details

**Formal Name:** 5-[(2R)-2-[[[(2R)-2-(3-Chlorophenyl)-2-hydroxyethyl]amino]propyl]-1,3-benzodioxole-2,2-

dicarboxylic acid disodium salt

**Molecular Formula:** C<sub>20</sub>H<sub>18</sub>ClNNa<sub>2</sub>O<sub>7</sub>

**Formula Weight:** 465.80

**CAS Number:** 151126-84-0

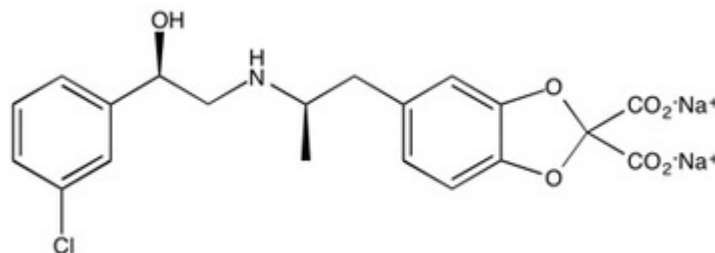
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in Water (up to 50 mg/ml).

**Storage:** -20°C

**Stability:**  $\geq$  2 years.



### Applications

$\beta$ 3-adrenergic agonist / antiobesity

### Functions

Potent and selective  $\beta$ 3 adrenergic receptor agonist (EC<sub>50</sub>= 3 nM). Displays anti-obesity and anti-diabetic effects in mice. It increases brown fat thermogenesis and metabolic rate and decreases blood insulin and glucose levels. Induces functionally active mitochondrial uncoupling protein (UCP) in white fat. Active in vivo.

### Application Procedures

First dissolved in Water (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20° for up to 2 months.

**For research use only.**