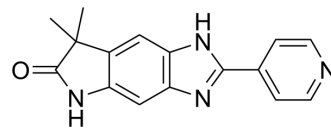


## Adibendan

Cat. No.:	HY-106098
CAS No.:	100510-33-6
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>4</sub> O
Molecular Weight:	278.31
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Adibendan (BM 14478), a benzimidazole derivative, is an orally active, selective phosphodiesterase III (PDE III) activity inhibitor (IC<sub>50</sub>=2.0 μM). Adibendan has IC<sub>50</sub> values more than 60-fold higher for the inhibition of PDE I or II. Adibendan is a new cardiotonic agent<sup>[1]</sup>.

### REFERENCES

[1]. T Bethke, et al. Mechanism of action and cardiotonic activity of a new phosphodiesterase inhibitor, the benzimidazole derivative adibendan (BM 14.478), in guinea-pig hearts. *Naunyn Schmiedebergs Arch Pharmacol.* 1988 May;337(5):576-82.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA