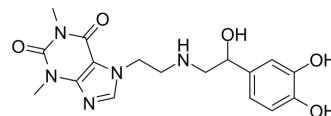


## Theodrenaline

Cat. No.:	HY-U00344
CAS No.:	13460-98-5
Molecular Formula:	C <sub>17</sub> H <sub>21</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	375.38
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Theodrenaline is a cardiac stimulant, also acts as an anti-hypotensive agent together with cafedrine.
In Vitro	Akrinor evokes a positive inotropic effect in human atrial trabeculae via stimulation of $\beta$ -adrenoceptors (AR) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Akrinor <sup>TM</sup> produces significant potentiation of FSK effects, conceivable by PDE-inhibition, only at very high, clinically irrelevant concentrations of 420 mg/L <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Kloth B, et al. Akrinor<sup>TM</sup>, a Cafedrine/ Theodrenaline Mixture (20:1), Increases Force of Contraction of Human Atrial Myocardium But Does Not Constrict Internal Mammary Artery In Vitro. Front Pharmacol. 2017 May 23;8:272.

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

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