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**Product Data Sheet**

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Product Name: Theodrenaline ((±)-Theodrenaline)

Cat. No.: GC32621

**Chemical Properties**

Cas. No. 13460-98-5

SMILES O=C(N1C)N(C)C2=C(N(CCNCC(C3=CC=C(O)C(O)=C3)O)C=N2)C1=OFormula C<sub>17</sub>H<sub>21</sub>N<sub>5</sub>O<sub>5</sub> M.Wt 375.38

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Theodrenaline is a cardiac stimulant, also acts as an anti-hypotensive agent together with cafedrine.

Akrinor evokes a positive inotropic effect in human atrial trabeculae via stimulation of β-adrenoceptors (AR)[1].

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[1].

[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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