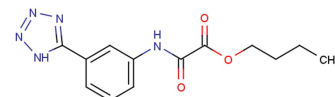


## Tazanolast

### Chemical Properties

CAS No.:	82989-25-1
Formula:	C <sub>13</sub> H <sub>15</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	289.29
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	Tazanolast is a selective mast-cell-stabilizing drug.
Targets(IC <sub>50</sub> )	Others: None
In vitro	Tazanolast has been shown to suppress passive cutaneous anaphylaxis, Schultz-Dale reaction in isolated tracheal muscle, and experimental asthma without antagonistic actions upon histamine- and leukotriene-D <sub>4</sub> -induced contraction [1].
In vivo	Tazanolast administered before ozone exposure at doses of 30, 100, or 300 mg/kg inhibits ozone-induced airway hyperresponsiveness in a dose-dependent manner. Tazanolast significantly inhibits ozone-induced airway hyperresponsiveness in guinea pigs [1].

### Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.457 mL	17.284 mL	34.567 mL
5 mM	0.691 mL	3.457 mL	6.913 mL
10 mM	0.346 mL	1.728 mL	3.457 mL
50 mM	0.069 mL	0.346 mL	0.691 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

1. Igarashi A, et al. Tazanolast inhibits ozone-induced airway hyperresponsiveness in guinea pigs. *Am J Respir Crit Care Med.* 1998 May;157(5 Pt 1):1531-5.

Inhibitors · Natural Compounds · Compound Libraries

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