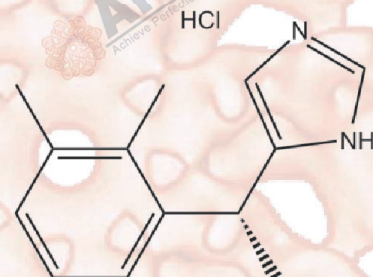


# Product Data Sheet

# Dexmedetomidine HCl

<b>Cat. No.:</b>	B1357
<b>CAS No.:</b>	145108-58-3
<b>Formula:</b>	C <sub>13</sub> H <sub>16</sub> N <sub>2</sub> ·HCl
<b>M.Wt:</b>	236.74
<b>Synonyms:</b>	
<b>Target:</b>	GPCR/G protein
<b>Pathway:</b>	Adrenergic Receptor
<b>Storage:</b>	Store at -20°C



## Solvent & Solubility

≥126.2 mg/mL in H<sub>2</sub>O; ≥11.84 mg/mL in DMSO; ≥27.87 mg/mL in EtOH

Preparing Stock Solutions	Mass	1mg	5mg	10mg
	Solvent			
	Concentration			
	1 mM	4.2240 mL	21.1202 mL	42.2404 mL
	5 mM	0.8448 mL	4.2240 mL	8.4481 mL
10 mM	0.4224 mL	2.1120 mL	4.2240 mL	

Please refer to the solubility information to select the appropriate solvent.

## Biological Activity

Shortsummary	Highly selective and potent alpha-2 adrenoceptor agonist	
IC <sub>50</sub> & Target		
In Vitro	<b>Cell Viability Assay</b>	
	Preparation method:	
In Vivo	<b>Animal experiment</b>	
	Applications:	

## Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APEx BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APEx BIO Technology**

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