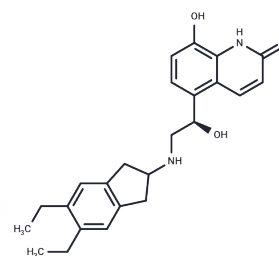


## Indacaterol

## Chemical Properties

|                   |                                                                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAS No. :         | 312753-06-3                                                                                                                                            |
| Formula:          | C <sub>24</sub> H <sub>28</sub> N <sub>2</sub> O <sub>3</sub>                                                                                          |
| Molecular Weight: | 392.49                                                                                                                                                 |
| Storage:          | Store at low temperature<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><i>Actual storage temperature shall be subject to the COA.</i> |



## Biological Description

|               |                                                                                                                                            |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Indacaterol (Onbrez; Arcapta) is a $\beta$ 2-Adrenergic Agonist. The mechanism of action of indacaterol is as an Adrenergic beta2-Agonist. |
| Targets(IC50) | Adrenergic Receptor                                                                                                                        |

## Solubility Information

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solubility          | DMSO: 49.59 mg/mL (126.35 mM), Sonication is recommended.<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble)                                                                                                                                                                                                                                                                                                                                                                          |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.1 mM), Sonication is recommended.<br><i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.5478 mL | 12.7392 mL | 25.4784 mL |
| 5 mM  | 0.5096 mL | 2.5478 mL  | 5.0957 mL  |
| 10 mM | 0.2548 mL | 1.2739 mL  | 2.5478 mL  |
| 50 mM | 0.051 mL  | 0.2548 mL  | 0.5096 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Batram, C., et al., In vitro and in vivo pharmacological characterization of 5-[(R)-2-(5,6-diethyl-indan-2-ylamino)-1-hydroxy-ethyl]-8-hydroxy-1H-quinolin-2-one (indacaterol), a novel inhaled beta(2) adrenoceptor agonist with a 24-h duration of action.

Sturton, R.G., et al., Pharmacological characterization of indacaterol, a novel once daily inhaled 2 adrenoceptor agonist, on small airways in human and rat precision-cut lung slices. *J Pharmacol Exp Ther*, 2008. 324(1): p. 270-5.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481