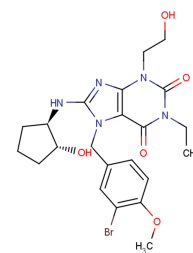


## Dasantafil

### Chemical Properties

CAS No. : 569351-91-3  
Formula: C<sub>22</sub>H<sub>28</sub>BrN<sub>5</sub>O<sub>5</sub>  
Molecular Weight: 522.39  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description

|               |                                                                                                                                                         |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Dasantafil (SCH446132) is a small molecule phosphodiesterase-5A (PDE5A) inhibitor used to treat genitourinary disorders and study erectile dysfunction. |
| Targets(IC50) | PDE                                                                                                                                                     |

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.9143 mL | 9.5714 mL | 19.1428 mL |
| 5 mM  | 0.3829 mL | 1.9143 mL | 3.8286 mL  |
| 10 mM | 0.1914 mL | 0.9571 mL | 1.9143 mL  |
| 50 mM | 0.0383 mL | 0.1914 mL | 0.3829 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.

### Reference

Tömöri T, et al. Combining 2D and 3D in silico methods for rapid selection of potential PDE5 inhibitors from multimillion compounds' repositories: biological evaluation. Mol Divers. 2012;16(1):59-72.

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