

CCG-100602

## Chemical Properties

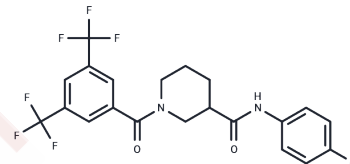
CAS No. : 1207113-88-9

Formula: C<sub>21</sub>H<sub>17</sub>ClF<sub>6</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 478.82

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	CCG-100602 inhibits RhoA/C-mediated, SRF-driven luciferase expression in PC-3 prostate cancer cells (IC <sub>50</sub> :9.8 μM).
Targets(IC <sub>50</sub> )	Rho,Ras
In vitro	CCG-100602 blocks the expression of MRTF-A/SRF-activated genes. CCG-100602 (3-30? μM) decreases the number of adherent hASC cells[1].

## Solubility Information

Solubility	DMSO: 100 mg/mL (208.85 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 1 mg/mL (2.09 mM),Sonication is recommended. <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

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	1mg	5mg	10mg
1 mM	2.0885 mL	10.4423 mL	20.8847 mL
5 mM	0.4177 mL	2.0885 mL	4.1769 mL
10 mM	0.2088 mL	1.0442 mL	2.0885 mL
50 mM	0.0418 mL	0.2088 mL	0.4177 mL

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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

- Laura Hyväri, et al. Myocardin-Related Transcription Factor A (MRTF-A) Regulates the Balance between Adipogenesis and Osteogenesis of Human Adipose Stem Cells. *Stem Cells Int.* 2020 Sep 22;2020:8853541.
- Yoon Jeong Choi, et al. Umbilical cord/placenta-derived mesenchymal stem cells inhibit fibrogenic activation in human intestinal myofibroblasts via inhibition of myocardin-related transcription factor A. *Stem Cell Res Ther.* 2019 Sep 23;10(1):291.

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