

EC-19

## Chemical Properties

CAS No. : 1010694-08-2

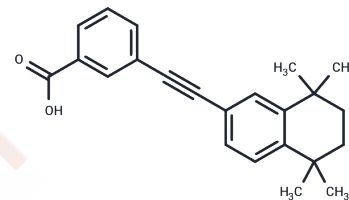
Formula: C<sub>23</sub>H<sub>24</sub>O<sub>2</sub>

Molecular Weight: 332.44

Store at low temperature

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	EC-19 induces differentiation of EC cells and supports the formation of epithelial-like lineages.
Targets(IC <sub>50</sub> )	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 100 mg/mL (300.81 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0081 mL	15.0403 mL	30.0806 mL
5 mM	0.6016 mL	3.0081 mL	6.0161 mL
10 mM	0.3008 mL	1.504 mL	3.0081 mL
50 mM	0.0602 mL	0.3008 mL	0.6016 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

- Kurz SG, et al. Inhibiting the  $\beta$ -Lactamase of Mycobacterium tuberculosis (Mtb) with Novel Boronic Acid Transition-State Inhibitors (BATSIs). ACS Infect Dis. 2015 Jun 12;1(6):234-42.
- Lopez-Real RE, et al. Application of synthetic photostable retinoids induces novel limb and facial phenotypes during chick embryogenesis in vivo. J Anat. 2014 Apr;224(4):392-411.
- Clemens G, et al. The action of all-trans-retinoic acid (ATRA) and synthetic retinoid analogues (EC19 and EC23) on human pluripotent stem cells differentiation investigated using single cell infrared microspectroscopy. Mol Biosyst. 2013 Apr 5;9(4):677-92.
- Beceiro A, et al. False extended-spectrum  $\beta$ -lactamase phenotype in clinical isolates of Escherichia coli associated with increased expression of OXA-1 or TEM-1 penicillinases and loss of porins. J Antimicrob Chemother. 2011 Sep;66(9):2006-10.

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