

SU 10603

## Chemical Properties

CAS No. : 786-97-0

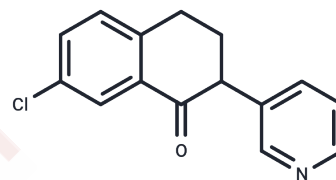
Formula: C<sub>15</sub>H<sub>12</sub>ClNO

Molecular Weight: 257.72

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	SU 10603 is a specific inhibitor of 17 $\alpha$ -hydroxylase (also known as CYP17A1 and P450c17) used to study steroid hormone synthesis.
Targets(IC50)	Cytochromes P450,Hydroxylase
In vitro	Treatment of 661 W cells with SU 10603 (10 $\mu$ M) prevents the conversion of pregnenolone to dehydroepiandrosterone (DHEA).[2]
In vivo	<b>Methods:</b> NNC 05-711 (50, 100, 200 $\mu$ g/10 $\mu$ L, intrathecal injection, once a day) was used to treat rats with chronic sciatic nerve constriction injury (CCI) and its analgesic effect was observed. <b>Results:</b> NNC 05-711 exerted an effective analgesic effect in the CCI rat model. Compared with the CCI + saline group, the paw withdrawal threshold (WT) and paw withdrawal latency (WL) values increased after 1 day. [3]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8802 mL	19.4009 mL	38.8018 mL
5 mM	0.776 mL	3.8802 mL	7.7604 mL
10 mM	0.388 mL	1.9401 mL	3.8802 mL
50 mM	0.0776 mL	0.388 mL	0.776 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

Hojo Y, et al. Adult male rat hippocampus synthesizes estradiol from pregnenolone by cytochromes P45017alpha and P450 aromatase localized in neurons. Proc Natl Acad Sci U S A. 2004 Jan 20;101(3):865-70.

Corsi F, et al. Targeting TSPO Reduces Inflammation and Apoptosis in an In Vitro Photoreceptor-Like Model of Retinal Degeneration. ACS Chem Neurosci. 2022 Nov 16;13(22):3188-3197.

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