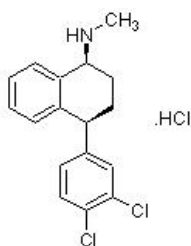


# Sertraline hydrochloride, Serotonin reuptake inhibitor ab141068

画像数 2

### 製品の概要

製品名	Sertraline hydrochloride, Serotonin reuptake inhibitor
製品の詳細	Selective serotonin reuptake inhibitor
生理活性の詳細	Selective serotonin reuptake inhibitor ( $K_i = 2.0 \mu\text{M}$ ). Shows antidepressant and antiproliferative activity. Active <i>in vivo</i> .
精製度	> 99%
CAS 番号	79559-97-0
構造式	



### 製品の特性

体系名	(1S,4S)-4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-1-naphthalenamine hydrochloride
分子量	342.69
分子式	$\text{C}_{17}\text{H}_{17}\text{Cl}_2\text{N} \cdot \text{HCl}$
PubChem 登録番号	54375
保存方法	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 100 mM and in ethanol to 50 mM
使用に関する注意	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at <math>-20^\circ\text{C}</math>. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>

## SMILES 線形表記

Cl.Clc1ccc(cc1Cl)[C@@H]3CC[C@H](NC)c2ccccc23

## 由来

Synthetic

## アプリケーション

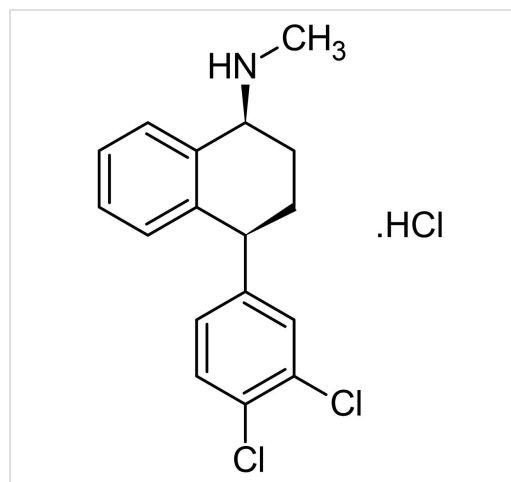
### The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab141068の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

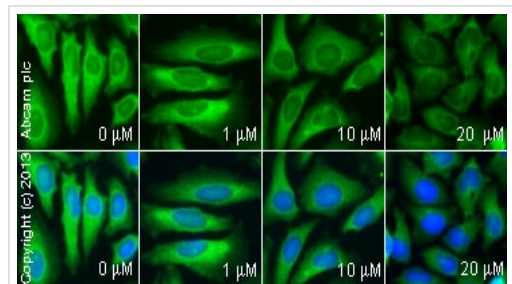
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

## 画像



Chemical Structure - Sertraline hydrochloride,  
Serotonin reuptake inhibitor (ab141068)

2D chemical structure image of ab141068, Sertraline  
hydrochloride, Serotonin reuptake inhibitor



Functional Studies - Sertraline hydrochloride,  
Serotonin reuptake inhibitor (ab141068)

**ab1223** staining transferrin in HeLa cells treated with sertraline hydrochloride (ab141068), by ICC/IF. Decrease in transferrin expression correlates with increased concentration of sertraline hydrochloride, as described in literature.

The cells were incubated at 37°C for 30 minutes in media containing different concentrations of ab141068 (sertraline hydrochloride) in DMSO, fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab1223** (1/500 dilution) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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