

Trazodone
hydrochloride
C19H23Cl2N5O
structure



**ASSIGN
BUSTER**

Contents

- Bio Activity:

Molecular C₁₉ H₂₃ Cl₂ N₅

Formula O

Average mass 408. 325 Da

Density

Boiling Point

Flash Point

Molar

Refractivity

Polarizability

Surface Tension

Molar Volume

- Experimental data
- Predicted - ACD/Labs
- Predicted - ChemAxon
- Predicted - Mcule
- Experimental Physico-chemical Properties

- **Experimental Melting Point:**

223-226

°CLabNetworkLN00189344

- **Experimental Solubility:**

10 mM in

DMSOMedChem

ExpressHY-B0478

DMSO 1 mg/mL; Water

<1 mg/mLMedChem

ExpressHY-B0478

- Miscellaneous

- **Safety:**

IRRITANTMatrix

Scientific090825

- **Target Organs:**

Serotonin uptake

inhibitor; 5-HT receptor

antagonist; Adrenergic

Receptor antagonist ;

Histamine

ReceptorTargetMolT161

9

- **Drug Status:**

approvedBIONET-Key OrganicsKS-

5100

- **Compound Source:**

syntheticMicrosource[0150

3121]

- **Bio Activity:**

5-HT ReceptorMedChem

ExpressHY-B0478

GPCR/G

proteinMedChem

ExpressHY-B0478

GPCR/G protein;

Neuronal Signaling;

MedChem ExpressHY-

B0478

NeuroscienceTargetMolT

1619

Sodium-dependent

serotonin transporter; 5-HT receptor; Adrenergic receptor; Histamine H1 receptor
TargetMolT1619

Trazodone HCl is an antidepressant belonging to the class of serotonin receptor antagonists and reuptake inhibitors for treatment of anxiety disorders. MedChem Express

Trazodone HCl is an antidepressant belonging to the class of serotonin receptor antagonists and reuptake inhibitors for treatment of anxiety disorders.; Target: 5-HT Receptor; Trazodone is a triazolopyridine derivative, chemically

and pharmacologically
unrelated to other
currently available
antidepressants.

MedChem ExpressHY-
B0478

Trazodone HCl is an
antidepressant
belonging to the class of
serotonin receptor
antagonists and
reuptake inhibitors for
treatment of anxiety
disorders.; Target: 5-HT
Receptor; Trazodone is a
triazolopyridine
derivative, chemically
and pharmacologically
unrelated to other
currently available
antidepressants.

Trazodone has been
successfully used in a
small number of patients
with depression and pre-

existing cardiovascular disease. trazodone has also been used as a hypnotic for psychotropic-induced or other insomnias with some success [1].

Trazodone is an effective hypnotic for patients with antidepressant-associated insomnia [2].

Trazodone may be helpful in men with erectile dysfunction (ED), possibly more so at higher doses, and in men with psychogenic ED. Future high-quality trials should compare trazodone with placebo and other therapies in men with depression and psychogenic ED [3].

MedChem ExpressHY-B0478

Predicted data is generated using the ACD/Labs Percepta Platform -
PhysChem Module

No predicted properties have been calculated for this compound.

Density:

Boiling Point:

Vapour Pressure:

Enthalpy of Vaporization:

Flash Point:

Index of Refraction:

Molar Refractivity:

#H bond acceptors:

#H bond donors:

#Freely Rotating Bonds:

#Rule of 5 Violations:

ACD/LogP:

ACD/LogD (pH 5. 5):

ACD/BCF (pH 5. 5):

ACD/KOC (pH 5. 5):

ACD/LogD (pH 7. 4):

ACD/BCF (pH 7. 4):

ACD/KOC (pH 7. 4):

Polar Surface Area:

Polarizability:

Surface Tension:

Molar Volume:

Click to predict properties on the Chemicalize site

- 1-Click Docking
- 1-Click Scaffold Hop