

Product Data Sheet

Product Name: Vilazodone

Cat. No.: GC15013

Chemical Properties

Cas. No. 163521-12-8

Chemical Name 5-[4-[4-(5-cyano-1H-indol-3-yl)butyl]piperazin-1-yl]-1-benzofuran-2-carboxamide

SMILES C1CN(CCN1CCCCC2=CNC3=C2C=C(C=C3)C#N)C4=CC5=C(C=C4)OC(=C5)C(=O)N

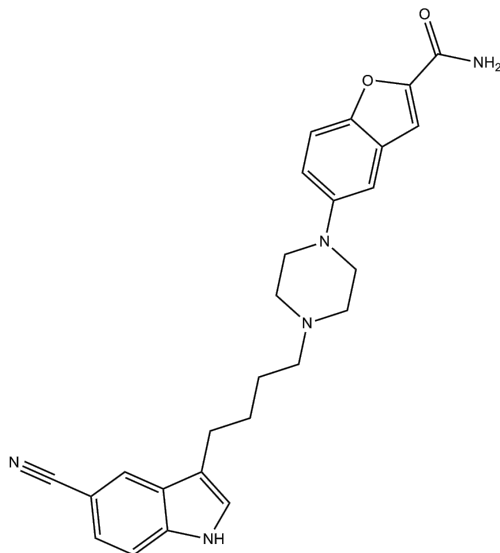
Formula $C_{26}H_{27}N_5O_2$ M.Wt 441.52

Solubility DMSO : 88mg/mL Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Vilazodone (EMD 68843; SB 659746A) is a combined serotonin specific reuptake inhibitor (SSRI) and 5-HT_{1A} receptor partial agonist currently under clinical evaluation for the treatment of major depression. IC₅₀ value: Target: SSRI; 5-HT_{1A} Vilazodone represents another option for the treatment

Caution: Product has not been fully validated for medical applications. For research use only.

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of MDD. Vilazodone appears to have a favourable weight-gain profile based on short-term studies. Sexual side-effects were not consistently demonstrated when assessed using clinical rating scales but spontaneously reported AEs related to sexual functioning were observed. Additional controlled data regarding long-term efficacy and effectiveness will help characterise this new agent when used in maintenance treatment.

References:

- [1]. Cruz MP. Vilazodone HCl (Viibryd): A Serotonin Partial Agonist and Reuptake Inhibitor For the Treatment of Major Depressive Disorder. P T. 2012 Jan;37(1):28-31.
- [2]. Citrome L. Vilazodone for major depressive disorder: a systematic review of the efficacy and safety profile for this newly approved antidepressant - what is the number needed to treat, number needed to harm and likelihood to be helped or harmed Int J C
- [3]. Reed CR, Kajdasz DK, Whalen H, Athanasiou MC, Gallipoli S, Thase ME. The efficacy profile of vilazodone, a novel antidepressant for the treatment of major depressive disorder. Curr Med Res Opin. 2012 Jan;28(1):27-39.
- [4]. Lee A. Dawson et al. Vilazodone: A 5-HT_{1A} Receptor Agonist/Serotonin Transporter Inhibitor for the Treatment of Affective Disorders CNS Neuroscience & Therapeutics Volume 15, Issue 2, pages 107-117, June 2009
- [5]. Thomas L. Schwartz Vilazodone: a brief pharmacological and clinical review of the novel serotonin partial agonist and reuptake inhibitor Therapeutic Advances in Psychopharmacology June 2011 vol. 1 no. 3 81-87

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