Overview

Product name  TDZD 8
Description  Selective, non-ATP competitive GSK-3β inhibitor
Biological description  Selective, non-ATP competitive GSK-3β inhibitor (IC$_{50}$ = 2 µM). Binds to the active site of GSK3β. Also inhibits PKC activity (IC$_{50}$ values are 1.4, 1.1 and 5.5 µM at βI, δ and ι isoforms respectively). IC$_{50}$ values are > 100 µM for Cdk-1/cyclin B, CK-II and PKA. Shows neuroprotective effects.
Purity  > 98%

Properties

Chemical name  2-Methyl-4-(phenylmethyl)-1,2,4-thiadiazolidine-3,5-dione
Molecular weight  222.26
Chemical structure

![Chemical structure image]

Molecular formula  C$_{10}$H$_{10}$N$_{2}$O$_{2}$S
CAS Number  327036-89-5
PubChem identifier  4124851
Storage instructions  Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview  Soluble in DMSO to 25 mM
Handling  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 -20°C. 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.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

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Source  Synthetic
Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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