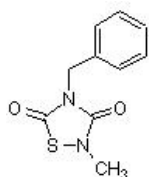


Product datasheet

TDZD 8, GSK-3beta inhibitor ab142372

Overview

Product name	TDZD 8, GSK-3beta inhibitor
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%
CAS Number	327036-89-5
Chemical structure	



Properties

Chemical name	2-Methyl-4-(phenylmethyl)-1,2,4-thiadiazolidine-3,5-dione
Molecular weight	222.26
Molecular formula	C ₁₀ H ₁₀ N ₂ O ₂ S
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.
SMILES	CN1C(=O)N(C(=O)S1)CC2=CC=CC=C2
Source	Synthetic

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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