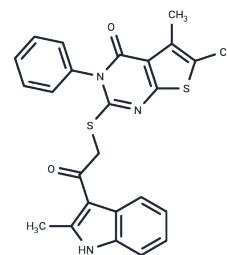


BRD6897

Chemical Properties

CAS No. : 618395-82-7
 Formula: C₂₅H₂₁N₃O₂S₂
 Molecular Weight: 459.58
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	BRD6897 is a mitochondrial content inducer that increases the cellular content of mitochondria and induces a significant increase in the electron density of existing mitochondria.
Targets(IC50)	Mitochondrial Metabolism
In vitro	In human umbilical vein endothelial cells (HUVECs), BRD6897 (10 μM; 3 days) can increase the mRNA expression of mitochondrial oxidative phosphorylation complexes (mtOXPHOS)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1759 mL	10.8795 mL	21.759 mL
5 mM	0.4352 mL	2.1759 mL	4.3518 mL
10 mM	0.2176 mL	1.0879 mL	2.1759 mL
50 mM	0.0435 mL	0.2176 mL	0.4352 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kitami T, et al. A chemical screen probing the relationship between mitochondrial content and cell size. PLoS One. 2012;7(3):e33755. doi: 10.1371/journal.pone.0033755. Epub 2012 Mar 29. PubMed PMID: 22479437; PubMed Central PMCID: PMC3315575.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481