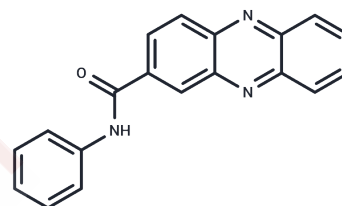


VU661

## Chemical Properties

CAS No. : 37648-76-3  
 Formula: C<sub>19</sub>H<sub>13</sub>N<sub>3</sub>O  
 Molecular Weight: 299.33  
 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	VU661, a redox-active phenazine carboxamide, modulates circadian rhythms by inducing period lengthening.
Targets(IC50)	Others
In vitro	VU661, at concentrations of 1, 3, and 10 $\mu$ M over a period of 0 to 144 hours, exhibits a dose-dependent prolongation effect (extending the period by 7.2 hours at 10 $\mu$ M), with minimal impact on the amplitude of Bmal1-dLuc U2OS cells [1]. Additionally, VU661, at 1 and 10 $\mu$ M for 24 hours, increases the cellular optical redox ratio in a dose-dependent manner [1]. There is negligible effect on cellular ROS or hydrogen peroxide levels by VU661 [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3408 mL	16.704 mL	33.4079 mL
5 mM	0.6682 mL	3.3408 mL	6.6816 mL
10 mM	0.3341 mL	1.6704 mL	3.3408 mL
50 mM	0.0668 mL	0.3341 mL	0.6682 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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