## **DMNPE-caged D-luciferin**

Cat. No.:	HY-D1343	$HO_{N} = \left\{ \begin{array}{c} S \\ N \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \end{array} = \left\{ \begin{array}{c} 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ \end{array} = \left\{ \begin{array}{c} 0 \\ 0 \end{array} \right\} = \left\{ \begin{array}{c} 0 \\ 0 \end{array} \right\} = \left\{ \left\{ \begin{array}{c} 0 \\ 0 \end{array} \right\} = \left\{ \left\{ \begin{array}{c} 0 \\ 0 \end{array} \right\} = \left\{ \left\{ \begin{array}{c} 0 \\ 0 \end{array} \right\} = \left\{ \left\{ \begin{array}{c} 0 \end{array} \right\} = \left\{ \left\{ \left\{ \begin{array}{c} 0 \end{array} \right\} = \left\{ \left\{ \left\{ \left\{ \begin{array}{c} 0 \end{array} \right\} \right\} = \left\{ \left\{ \left\{ \left\{ \left\{ \left\{ \left\{ 0 \end{array} \right\} \right\} = \left\{ \left\{ \left\{ \left\{ 0 \end{array} \right\} \right\} = \left\{ \left\{ \left\{ \left\{ 0 \end{array} \right\} \right\} = \left\{ \left\{ \left\{ \left\{ 0 \end{array} \right\} \right\} = \left\{ \left\{ \left\{ \left\{ 0 \end{array} \right\} \right\} = \left\{ \left\{ \left\{ \left\{ 0 \end{array} \right\} \right\} = \left\{ \left\{ \left\{ \left\{ 0 \end{array} \right\} \right\} = \left\{ $
CAS No.:	223920-67-0	
Molecular Formula:	$C_{21}H_{19}N_3O_7S_2$	
Molecular Weight:	489.52	
Target:	Fluorescent Dye	
Pathway:	Others	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

BIOLOGICAL ACTIVITY		
Description	DMNPE-caged D-luciferin is a heterocyclic luminescent compound that is a natural ligand for luciferase, an enzyme used to detect cell activity. Its reaction requires ATP and emits yellow-green light with a peak wavelength of about 530 nm. The luciferin in the DMNPE cage easily crosses the cell membrane.	

## REFERENCES

[1]. Luque-Ortega JR, et al.

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

Tel: 609-228-6898 E-mail: tech@MedChemExpress.com Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA

Product Data Sheet



Fax: 609-228-5909