



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

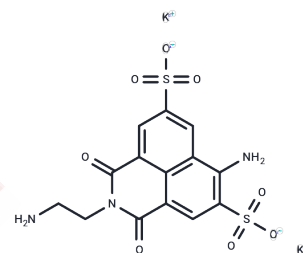
[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Lucifer yellow ethylenediamine

## Chemical Properties

CAS No. : 161578-11-6  
 Formula: C<sub>14</sub>H<sub>11</sub>K<sub>2</sub>N<sub>3</sub>O<sub>8</sub>S<sub>2</sub>  
 Molecular Weight: 491.58  
 Appearance: no data available  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|             |                                                                                                                                                                                                                                                                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Lucifer yellow ethylenediamine (LYen; PAsp-LY) serves as a polar tracer that readily forms Schiff bases through coupling with aldehydes and ketones. These bases can subsequently be converted into stable amine derivatives via reduction using either sodium borohydride (NaBH <sub>4</sub> ) or sodium cyanoborohydride (NaCNBH <sub>3</sub> ). |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.0343 mL | 10.1713 mL | 20.3426 mL |
| 5 mM  | 0.4069 mL | 2.0343 mL  | 4.0685 mL  |
| 10 mM | 0.2034 mL | 1.0171 mL  | 2.0343 mL  |
| 50 mM | 0.0407 mL | 0.2034 mL  | 0.4069 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481