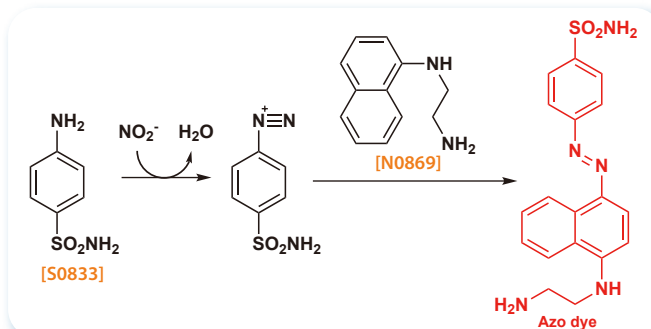


Reactive Oxygen Species (ROS) and Oxidative Stress Research Reagents

ROS Detection Reagents

for Griess Method

Nitric Oxide (NO), oxidized rapidly by oxygen, is converted to NO₂ and NO₃. Griess method is well-known as a NO₂ detection method.



Sulfanilamide

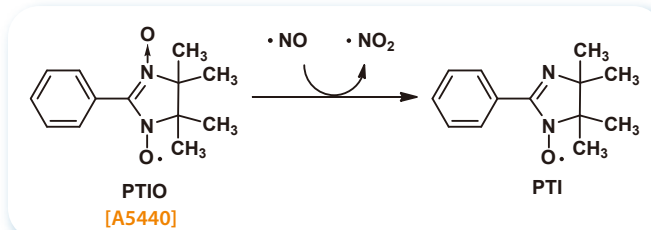
5g [S0833]

N-(1-Naphthyl)ethylenediamine Dihydrochloride

5g [N0869]

for ESR

PTIO, a spin trap agent that selectively oxidizes NO, converts NO to NO₂. The NO concentration can be determined spectroscopically from electron spin resonance (ESR) spectrum of PTIO and PTI.



PTIO

1g / 5g [A5440]

DMPO

1g / 5g [D2362]

PBN

1g / 5g [B1701]

3-Carboxy-PROXYL Free Radical

1g [C1406]

for Chromogenic Method

DPPP	100mg / 1g	[D2404]
Resazurin Sodium Salt	1g / 5g	[R0203]
Resorufin	1g / 5g	[R0012]
DPPH Free Radical	1g / 5g	[D4313]
2,3-Diaminonaphthalene	1g / 5g	[D1045]
1-Naphthylamine	25g / 100g	[N0052]
Sulfanilic Acid	25g / 500g	[S0120]
Sulfanilic Acid Sodium Salt Hydrate	5g	[S0832]
Nitro Blue Tetrazolium	100mg / 1g	[D0844]

for Chemiluminescent Method

Luminol	1g / 25g	[A5301]
MCLA	10mg	[A5309]
Lucigenin	1g / 5g	[B1203]
MMT	100mg / 1g	[B4339]

Related Products

Trolox	1g / 5g	[H0726]
L-Ascorbic Acid	25g / 500g	[A0537]
Xanthine	25g	[X0004]
Hypoxanthine	5g / 25g	[H0311]

Reactive Oxygen Species (ROS) and Oxidative Stress Research Reagents

Intracellular ROS Detection Assay Kit

Intracellular Reactive Oxygen Species (ROS) Detection Assay Kit

1kit [I1265]

Advantages

- Detects intracellular ROS sensitively and rapidly
- Allows for various imaging and detection methods
- Applicable to a wide variety of cells

Kit Components

- 1000×Reaction Dye (DCFH-DA) : 10 µL for 100 tests
- 10×Reaction Buffer : 25 mL×2 for 100 tests

† For microplate assays: 96 wells

† For flow cytometry: 1 mL/test for 1×10^6 cells/mL

† Optimal Reaction Dye working concentration may vary by cell lines.

Nitric Oxide Synthase (NOS) Inhibitors

Aminoguanidine Sulfate	25g / 500g [A0309]	S-Methylisothiurea Sulfate	25g / 100g / 500g [M0442]
L-Canavanine Sulfate	100mg [C0018]	Melatonin	1g / 5g [M1105]
2,4-Diamino-6-hydroxypyrimidine	25g [D1321]	6-Nitroindazole	25g / 250g [N0399]
S-Ethylisothiurea Hydrobromide	25g / 100g [E0182]	L-NNA	5g / 25g [N0660]
Haloperidol	5g / 25g [H0912]	L-NAME Hydrochloride	5g / 25g [N0661]
		7-Nitroindazole	1g / 5g [N0827]
		PDTC	25g / 250g [P0644]

Nitric Oxide (NO) Generator

N-Nitrosodiphenylamine	25g / 500g [D0899]
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For further information please refer to our website at www.TCIchemicals.com.



TCI oxidative stress



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