Overview

**Product name**  
TMB, high kinetics

**Description**  
Peroxidase substrate

**Biological description**  

**General notes**  
This material is extremely light sensitive. Take all appropriate steps to minimise exposure to all UV light sources, including sunlight. Discard if solution is blue or turbid.

**Storage Instructions:**  
Store at room temperature. ab142043 is light sensitive and should be protected from direct sunlight and UV sources.

Properties

**Chemical name**  
4,4'-Diamino-3,3',5,5'-tetramethylbiphenyl

**Molecular weight**  
240.35

**Chemical structure**

![Chemical structure](image)

**Molecular formula**  
C₁₆H₂₀N₂

**CAS Number**  
54827-17-7

**PubChem identifier**  
41206

**Storage instructions**  
Store at +4°C short term (1-2 weeks). Store at +4°C.

**Solubility overview**  
Supplied in proprietary buffer with hydrogen peroxide (pH 3.6; 2.08 mM)

**Handling**

Providing storage is as stated on the product vial and the vial is kept tightly sealed, the product can be stored for up to 6 months. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions (FAQ) page](#) for more details.
SMILES
CC1=CC(=C(=C1N)C)C2=CC(=C(C(=C2)C)N)C

Source
Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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