3-Norbornene-L-serine
2-amino-3-bicyclo[2.2.1]hept-5-en-2-yl-3-hydroxypropanoic acid

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLK-109-25</td>
<td>25 mg</td>
</tr>
<tr>
<td>CLK-109-100</td>
<td>4 x 25 mg</td>
</tr>
</tbody>
</table>

Applications:
The norbornene-tetrazine click reaction is ideally suited for protein labeling in living cells.

Description:
The inverse-electron demand Diels-Alder reaction of a novel amino acid bearing a norbornene moiety 3-norbornene-L-serine with tetrazines is a bioorthogonal reaction that possesses exceptional kinetics (0.59 M⁻¹s⁻¹) and selectivity. Both the carboxylic acid and the amine functionalities on 3-norbornene-L-serine make it an ideal linker for the functionalization of diverse compounds by using N-hydroxysuccinimide ester and amine-carboxylic acid coupling system.

Note:
Prepare the stock solution of 3-norbornene-L-serine immediately before use.

Selected References: