Succinimidyl 6-hydrazinonicotinate acetone hydrazone (SANH; S-HyNic)

**Product Description:** Succinimidyl 6-hydrazinonicotinate acetone hydrazone (SANH) is a heterobifunctional linker used for introducing protected hydrazinonicotinimide functional groups into proteins, peptides, surfaces and other primary amine containing molecules via its reactive N-hydroxysuccinimide ester terminus. Upon deprotection of the hydrazone functionality under acidic or neutral pH (4.5-7.4), the liberated hydrazine group can then react with aldehydes and ketones to form stable bonds. SANH has also been used extensively for the labeling of biomolecules with the SPECT imaging isotope, $^{99m}$Tc [1-4].

**Structure**

Molecular Formula: $C_{13}H_{14}N_4O_4$
MW: 290.27
CAS # [362522-50-7]
Solubility: >50mg/mL in DMF

**Properties**

Appearance: White solid
Characterization: $^1$H NMR
Purity: >95% by HPLC

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Product Name</th>
<th>Size</th>
<th>Price (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL-1001-10</td>
<td>SANH</td>
<td>10mg</td>
<td>165.38</td>
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<td>CL-1001-25</td>
<td>SANH</td>
<td>25mg</td>
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</tbody>
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**References:**


**Storage and Handling:** Upon receipt, store dessicated at or below room temperature.

For research use only; not for internal or external use in humans.

For further information or to place an order please contact Dr. Brian Gray by email: briangray@mtarget.com or phone: 610-738-7938