Product datasheet

S-(4-Nitrobenzyl)-6-thioinosine ab145027

Overview

Product name  S-(4-Nitrobenzyl)-6-thioinosine
Description  Equilibrative nucleoside transporter (ENT1) inhibitor.
Biological description  Nucleoside analog that competitively inhibits equilibrative nucleoside transporter 1 (ENT1) (IC$_{50}$ s = 4.6 and 3.6 nM for rat and human, respectively).

Properties

Chemical name  6-[(4-Nitrobenzyl)thio]-9-β-D-ribofuranosylpurine
Molecular weight  419.41
Chemical structure

Molecular formula  C$_{17}$H$_{17}$N$_{5}$O$_{6}$S
CAS Number  38048-32-7
Storage instructions  Store at +4°C. The product can be stored for up to 12 months.
Solubility overview  DMSO
Handling  Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. 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.

Source  Synthetic

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