Overview

Product name  Sodium picosulfate

Description  Inhibits absorption of water and electrolytes, and increases their secretion

Biological description  Prodrug metabolized by gut bacteria into the active compound bis-(p-hydroxyphenyl)-pyridyl-2-methane (BHPM) which is a contact stimulant laxative and increases peristalsis in the gut, preventing the absorption of water by the colon.

Properties

Chemical name  [4-[Pyridin-2-yl-(4-sulfonatoxyphenyl)methyl]phenyl] sulfate disodium salt

Molecular weight  481.41

Chemical structure

Molecular formula  C_{18}H_{13}NNa_{2}O_{8}S_{2}

CAS Number  10040-45-6

Storage instructions  Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview  Soluble in DMSO to 100 mM, in water to 100 mM and in ethanol to 5 mM

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.

Toxic, refer to SDS for further information.

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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