Product datasheet

PhIP, Carcinogenic heterocyclic amine ab144695

Overview

Product name
PhIP, Carcinogenic heterocyclic amine

Description
Carcinogenic heterocyclic amine

Biological description
Carcinogenic heterocyclic amine. Metabolically activated by cytochrome P-450 1A (CYP1A2). Forms PhIP-DNA adducts. Tumorigenic potential. Active \textit{in vitro} and \textit{in vivo}.

CAS Number
105650-23-5

Chemical structure

![Chemical structure image]

Properties

Chemical name
1-Methyl-6-phenylimidazo[4,5-b]pyridin-2-amine

Molecular weight
224.26

Molecular formula
C_{13}H_{12}N_{4}

PubChem identifier
1530

Storage instructions
Store at +4°C. The product can be stored for up to 12 months.

Solubility overview
Soluble in 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.

SMILES
CN1C2=C(N=CC(=C2)C3=CC=CC=C3)N=C1N

Source
Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"
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- Replacement or refund for products not performing as stated on the datasheet
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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