

Product datasheet

Pifithrin- α -HBr, p53 Inhibitor ab120478

1 References

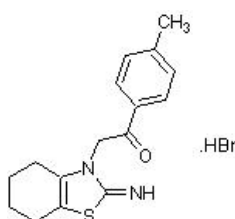
Overview

Product name	Pifithrin- α -HBr, p53 Inhibitor
Description	p53 Inhibitor
Biological description	p53 Inhibitor. Specifically blocks tumor suppressor p53 transcriptional activity and can suppress heat shock and glucocorticoid signalling pathways. Additionally offers protection to cells from p53 mediated apoptosis. Active <i>in vivo</i> ; protects mice from chemotherapy side effects associated with p53 induction. Also aryl hydrocarbon receptor (AHR) agonist.
Purity	> 98%
General notes	Pifithrin- α -HBr is light sensitive and it is recommended that the compound is protected from light.

Properties

Chemical name	1-(4-Methylphenyl)-2-(4,5,6,7-tetrahydro-2-imino-3(2H)-benzothiazolyl)ethanone hydrobromide
Molecular weight	367.30

Chemical structure



Molecular formula	C ₁₆ H ₁₈ N ₂ OS.HBr
CAS Number	63208-82-2
PubChem identifier	9929138
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
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.

SMILESBr.Cc1ccc(cc1)C(=O)CN2C=3CCCCC=3SC2=N**Source**

Synthetic

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