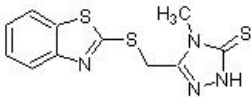


Product datasheet

Ceefourin™ 1, MRP4 inhibitor ab145144

[2 References](#) [1 Image](#)

Overview

Product name	Ceefourin™ 1, MRP4 inhibitor
Description	Highly selective multidrug resistance protein 4 (MRP4) inhibitor
Biological description	Highly selective multidrug resistance protein 4 (MRP4) inhibitor (IC ₅₀ = 1.5 µM). Blocked transport of MRP4 substrates 6-Mercaptopurine, SN 38, cAMP, D-Luciferin and E217βG. No detectable effect on MRP4 homologs MRP1, 2, 3 or 5, and related transporters P-gp and ABCG2 <i>in vitro</i> . Low cellular toxicity, and high microsomal and acid stability. Chemically distinctive to Ceefourin™ 2 (ab145145).
Purity	> 99%
General notes	Sold under exclusive licence from Children's Cancer Institute. Ceefourin™ is a trademark of Children's Cancer Institute.
CAS Number	315702-40-0
Chemical structure	

Properties

Chemical name	5-[(2-Benzothiazolylthio)methyl]-2,4-dihydro-4-methyl-3H-1,2,4-triazole-3-thione
Molecular weight	294.41
Molecular formula	C ₁₁ H ₁₀ N ₄ S ₃
PubChem identifier	704306
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM
Handling	<p>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.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked</p>

[questions \(FAQ\) page](#) for more details.

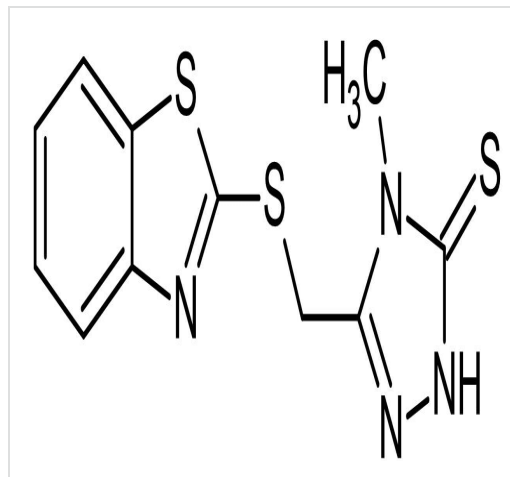
SMILES

S=C3NN=C(CSc1nc2ccccc2s1)N3C

Source

Synthetic

Images



Chemical Structure - Ceefourin™ 1, MRP4 inhibitor
(ab145144)

2D chemical structure image of ab145144, Ceefourin™ 1, MRP4 inhibitor

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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