Overview

Product name  
**Ceefourin™ 2**

Description  
Highly selective multidrug resistance protein 4 (MRP4) inhibitor

Biological description  
Highly selective multidrug resistance protein 4 (MRP4) inhibitor (IC\textsubscript{50} = 7 µM). Blocked transport of MRP4 substrates, including 6-Mercaptopurine, SN 38, D-Luciferin and E217βG. No detectable effect on MRP4 homologs MRP1, 2, 3 or 5, and related transporters P-gp and ABCG2 in vitro. Low cellular toxicity, and high microsomal and acid stability. Chemically distinctive to Ceefourin™ 1 (ab145144).

Purity  
> 98%

General notes  
Sold under exclusive licence from Children's Cancer Institute. Ceefourin™ is a trademark of Children's Cancer Institute.

Properties

Chemical name  
3-Chloro-5-(4-methylphenyl)-7-(trifluoromethyl)pyrazolo[1,5-a]pyrimidine-2-carboxylic acid

Molecular weight  
355.70

Chemical structure  
![Chemical structure](image.png)

Molecular formula  
C\textsubscript{15}H\textsubscript{9}ClF\textsubscript{3}N\textsubscript{3}O\textsubscript{2}

CAS Number  
348148-51-6

PubChem identifier  
1366977

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 25 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.
SMILES

FC(F)(F)c1cc(nc2c(Cl)c(nn12)C(=O)O)c3ccc(C)cc3

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

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