

Product Information

Antifection inhibitor Cefprozil, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ123

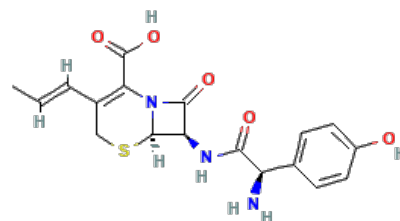
Size: 5 mg; 10 mg; 50 mg

MDL: MFCD00911719

CAS Number: 92665-29-7

Compound CID: 5281006

Synonym: 92665-29-7; Antifection inhibitor; Cefprozil; Cefprozil anhydrous; Brisoral; Cefzil; Cefprozilo; Cefprozilum; Procef; cefprozil monohydrate; Arzimol; BMY 28100; BMY-28100; Brisoral



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Cefprozil has strong immunosuppressant properties.
Molecular Weight	389.43
Molecular Formula	C ₁₈ H ₁₉ N ₃ O ₅ S
IUPAC Name	(6 <i>R</i> ,7 <i>R</i>)-7-[[[(2 <i>R</i>)-2-amino-2-(4-hydroxyphenyl)acetyl]amino]-8-oxo-3-[(<i>E</i>)-prop-1-enyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid
InChI	InChI=1S/C18H19N3O5S/c1-2-3-10-8-27-17-13(16(24)21(17)14(10)18(25)26)20-15(23)12(19)9-4-6-11(22)7-5-9/h2-7,12-13,17,22H,8,19H2,1H3,(H,20,23)(H,25,26)/b3-2+/t12-,13-,17-/m1/s1
InChI Key	WDLWHQDACQUCJR-ZAMMOSSLSA-N
Canonical SMILES	CC=CC1=C(N2C(C(=O)NC(=O)C(C3=CC=C(C(=C3)O)N)SC1)C(=O)O
Isomeric SMILES	C/C=C/C1=C(N2[C@@H]([C@@H](C2=O)NC(=O)[C@@H](C3=CC=C(C(=C3)O)N)SC1)C(=O)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Cefprozil is a subject of research in antibacterial studies, particularly for its effectiveness against Gram-positive and Gram-negative bacteria.



Storage

Store at -20°C, and keep desiccated.
