



Product Information

Antifection inhibitor Benzyl isothiocyanate, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ092

Size: 100 mg; 500 mg

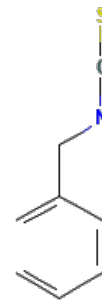
MDL: MFCD00004819

CAS Number: 622-78-6

Compound CID: 2346

Synonym: 622-78-6; Antifection inhibitor; Benzyl isothiocyanate; Tromacaps

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



Product Information

Description	Benzyl isothiocyanate, soluble in DMSO, has strong immunosuppressant properties.
Molecular Weight	149.21
Molecular Formula	C ₈ H ₇ NS
IUPAC Name	Isothiocyanatomethylbenzene
InChI	InChI=1S/C8H7NS/c10-7-9-6-8-4-2-1-3-5-8/h1-5H,6H2
InChI Key	MDKCFLQDBWCQCV-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)CN=C=S
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 25 mg/mL (167.54 mM)
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	Benzyl isothiocyanate is explored for its antimicrobial and anticancer properties, potentially disrupting microbial cell walls and inducing apoptosis in cancer cells.
Storage	Store at -20°C, and keep desiccated.