



Product Information

PGE synthase inhibitor AT 56, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ568

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD18086874

CAS Number: 162640-98-4

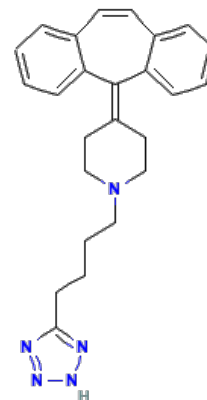
Compound CID: 11741525

Synonym: AT-56; 162640-98-4; AT 56; AT56;

1-(4-(2*H*-Tetrazol-5-yl)butyl)-4-(5*H*-dibenzo[*a,d*][7]annulen-5-ylidene)piperidine;

4-(5*H*-Dibenzo[*a,d*]cyclohepten-5-ylidene)-1-[4-(2*H*-tetrazol-5-yl)butyl]-piperidine; PGE

synthase inhibitor



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

Product Information

Description	AT 56, soluble in DMSO and insoluble in ethanol and water, is a PGE synthase inhibitor.
Molecular Weight	397.52
Molecular Formula	C ₂₅ H ₂₇ N ₅
IUPAC Name	1-[4-(2 <i>H</i> -Tetrazol-5-yl)butyl]-4-(2-tricyclo[9.4.0.0 ^{3,8}]pentadeca-1(15),3,5,7,9,11,13-heptaenylidene)piperidine
InChI	InChI=1S/C25H27N5/c1-3-9-22-19(7-1)12-13-20-8-2-4-10-23(20)25(22)21-14-17-30(18-15-21)16-6-5-11-24-26-28-29-27-24/h1-4,7-10,12-13H,5-6,11,14-18H2,(H,26,27,28,29)
InChI Key	LQNGMDUIRLSESZ-UHFFFAOYSA-N
Canonical SMILES	C1CN(CCC1=C2C3=CC=CC=C3C=CC4=CC=CC=C42)CCCCC5=NNN=N5
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 74 mg/mL (186.15 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	AT 56 can be used to investigate its role in inhibiting a specific prostaglandin pathway.
Storage	Store at -20°C.



CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com
