



LKT Laboratories, Inc.

## Tryprostatin A

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### Product Information

Product ID T7197

CAS No.

Chemical Name

Synonym TPS-A

Formula  $C_{22}H_{29}N_3O_3$

Formula Wt. 383.48

Melting Point

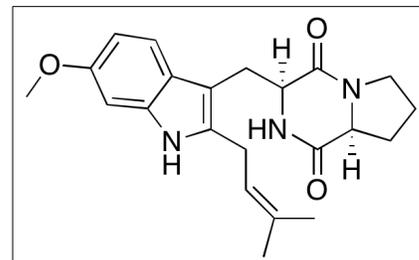
Purity  $\geq 92\%$

Solubility Soluble in methanol,  
ethanol, or DMSO.

Store Temp  $-20^{\circ}C$

Ship Temp Blue Ice

**Description** Tryprostatin A is a diketopiperazine originally produced by *Aspergillus fumigatus*. Tryprostatin A exhibits anticancer activity, inhibiting breast cancer resistance protein. Tryprostatin A also inhibits microtubule polymerization, interacting with MAP2, tau, and poly-(L-lysine) and preventing cell cycle progression in vitro.



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
T7197	0.5 mg	\$484.20

**References** Jain HD, Zhang C, Zhou S, et al. Synthesis and structure-activity relationship studies on tryprostatin A, an inhibitor of breast cancer resistance protein. *Bioorg Med Chem*. 2008 Apr 15;16(8):4626-51. PMID: 18321710.

Usui T, Kondoh M, Cui CB, et al. Tryprostatin A, a specific and novel inhibitor of microtubule assembly. *Biochem J*. 1998 Aug 1;333 ( Pt 3):543-8. PMID: 9677311.

Cui CB, Kakeya H, Osada H. Novel mammalian cell cycle inhibitors, tryprostatins A, B and other diketopiperazines produced by *Aspergillus fumigatus*. II. Physico-chemical properties and structures. *J Antibiot (Tokyo)*. 1996 Jun;49(6):534-40. PMID: 8698635.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.