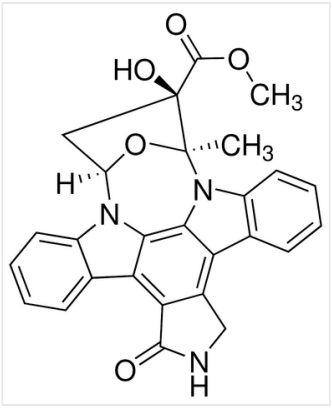
# K252A Small Molecule

## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | K252A, Small Molecule |
| **Full Product Name** | K252A |
| **Product Gene Name** | K252A small molecule |
| **Product Synonym Names** | Kinase inhibitor; (9S,10R,12R)-2,3,9,10,11,12-Hexahydro-10-hydroxy-9-methyl-1-oxo-9,12-epoxy-1H-diindolo[1,2,3-fg:3',2',1'-kl]pyrrolo[3,4-i][1,6]benzodiazocine-10-carboxylic acid methyl ester |
| **Host** | Nonomuraea longicatena |
| **Form/Format** | White solid |
| **Purity/Purification** | >=98% (HPLC) |
| **Preparation and Storage** | Store at -20 degree C. |
| **Molecular Weight** | 467.5 |
| **Solubility** | Soluble to 25 mM in DMSO |
| **CAS Number** | 99533-80-9 |
| **Molecular Formula** | C27H21N3O5 |
| **SMILES** | [N]47C1=C(C6=C(C2=C1[N](C3=CC=CC=C23)[C@@H]5O[C@]4(C(C5)(O)C(=O)OC)C)C(NC6)=O)C8=C7C=CC=C8 |
| **InChI** | 1S/C27H21N3O5/c1-26-27(33,25(32)34-2)11-18(35-26)29-16-9-5-3-7-13(16)20-21-15(12-28-24(21)31)19-14-8-4-6-10-17(14)30(26)23(19)22(20)29/h3-10,18,33H,11-12H2,1-2H3,(H,28,31)/t18?,26-,27-/m1/s1 |
| **InChI Key** | KOZFSFOOLUUIGY-CYBHFKQVSA-N |
| **PubChem CID** | 11612445 |
| **Product Categories/Family for K252A small molecule** | Small Molecules; Inhibitor; Cell Signaling; Cancer; Apoptosis; Cancer Growth Inhibitors; Tyrosine Kinase Inhibitors |
| **Related Product Information for K252A small molecule** | K252A is a non-selective protein kinase inhibitor that exhibits a wide range of effects. Specifically, it has been seen to inhibit PKA, PKC, PKG, CAM kinase II, mlCK, Ser/Thr kinase, Met, and receptor tyrosine kinases. It has been shown to prevent autophosphorylation and activation of downstream effectors. |
| **Product References and Citations for K252A small molecule** | 1. Morotti A., Mila S., Accorner, P., Tagliabue E., & Ponzetto C. (2002) Oncogene. 21(32): 4885-4893. 2. Hashimoto Y., et al. (1991) Biochem. Biophys. Res. Comm. 181(1): 423-429. 3. Raychaudhuri S.P., Sanyal M., Weltman H., & Kundu-Raychaudhuri S. (2004) J. Invest. Derm. 122(3): 812-819. |
| **Other Notes** | Small volumes of K252A small molecule vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for K252A purchase** | MBS808155 is a small molecule targeting K252A. Host: Nonomuraea longicatena. |




**Chemical Structure of K252A small molecule**
Chemical structure of K252A (SIH-455), a Kinase inhibitor (pan-specific). CAS #: 99533-80-9. Molecular Formula: C27H21N3O5. Molecular Weight: 467.5 g/mol.

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/small-molecule/k252a/808155