

# PRODUCT INFORMATION



**T-26c**

Item No. 19962

**CAS Registry No.:** 869296-13-9

**Formal Name:** 4-[[[1,4-dihydro-2-[[[(3-methoxyphenyl)methyl]amino]carbonyl]-4-oxothieno[2,3-d]pyrimidin-5-yl]methoxy]methyl]-benzoic acid

**MF:** C<sub>24</sub>H<sub>21</sub>N<sub>3</sub>O<sub>6</sub>S

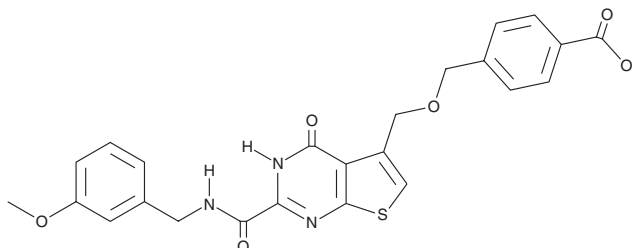
**FW:** 479.5

**Purity:** ≥98%

**Supplied as:** A crystalline solid

**Storage:** -20°C

**Stability:** ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

## Laboratory Procedures

T-26c is supplied as a crystalline solid. A stock solution may be made by dissolving the T-26c in the solvent of choice. T-26c is soluble in the organic solvent DMSO, which should be purged with an inert gas, at a concentration of approximately 10 mg/ml.

## Description

T-26c is a selective inhibitor of matrix metalloproteinase-13 (MMP-13; IC<sub>50</sub> = 0.0069 nM).<sup>1</sup> It is selective for MMP-13 over MMP-1, -2, -3, -7, -8, -9, -10, and -14 (IC<sub>50</sub>s = ≥18 nM). T-26c inhibits IL-1β- and oncostatin M-induced collagen degradation in bovine nasal septum cartilage explants by 87.4% when used at a concentration of 0.1 μM.

## Reference

1. Nara, H., Sato, K., Naito, T., *et al.* Thieno[2,3-d]pyrimidine-2-carboxamides bearing a carboxybenzene group at 5-position: Highly potent, selective, and orally available MMP-13 inhibitors interacting with the S1'' binding site. *Bioorg. Med. Chem.* **22**(19), 5487-5505 (2014).

### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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