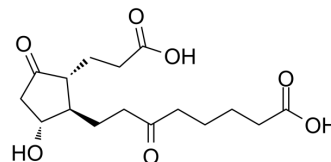


## PGE-M

Cat. No.:	HY-114988
CAS No.:	24769-56-0
Molecular Formula:	C <sub>16</sub> H <sub>24</sub> O <sub>7</sub>
Molecular Weight:	328.36
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

PGE-M is a metabolite of prostaglandin E<sub>2</sub> (PEG<sub>2</sub>) as a biomarker of inflammation and cancer including advanced colorectal neoplasia, ovarian cancer, prostate cancer and so on. Urinary PGE-M is positively associated with obesity, smoking and lung metastases with breast cancer<sup>[1][2][3]</sup>.

## REFERENCES

- [1]. Johnson JC, et al. Urine PGE-M: A metabolite of prostaglandin E<sub>2</sub> as a potential biomarker of advanced colorectal neoplasia. Clin Gastroenterol Hepatol. 2006 Nov;4(11):1358-65.
- [2]. Wang D, DuBois RN. Urinary PGE-M: a promising cancer biomarker. Cancer Prev Res (Phila). 2013 Jun;6(6):507-10.
- [3]. Morris PG, et al. Increased levels of urinary PGE-M, a biomarker of inflammation, occur in association with obesity, aging, and lung metastases in patients with breast cancer. Cancer Prev Res (Phila). 2013 May;6(5):428-36.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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