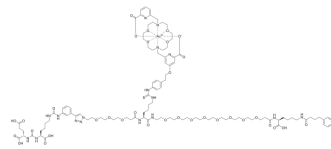


## Ac-PSMA-trillium

Cat. No.:	HY-158119
Molecular Formula:	$C_{107}H_{158}AcIN_{17}O_{34}S^+$
Molecular Weight:	2612.46
Target:	PSMA
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Ac-PSMA-trillium is a PSMA targeting compound, consisting of a PSMA targeting molecule (PSMA binder), a Macropa chelating molecule, and a group that regulates pharmacokinetics (PK modifier). Ac-PSMA-trillium is a non-radioactive form of Actinium-225-PSMA-Trillium (BAY 3563254) with improved PSMA targeting and pharmacokinetic properties. PSMA-trillium can bind Ac through the Macropa chelating molecule, or the radioactive isotope  $^{225}\text{Ac}$  Actinium. Actinium-225-PSMA-Trillium is a potent inhibitor of metastatic castration-resistant prostate cancer (mCRPC)<sup>[1][2]</sup>.

### REFERENCES

[1]. Zitzmann-Kolbe S, et al., Preclinical evaluation of an actinium-225 labeled PSMA-targeting small molecule (225Ac-PSMA-Trillium (BAY 3563254)) for the treatment of metastatic castration resistant prostate cancer (mCRPC)[J]. Cancer Research, 2024, 84(6\_Supplement): 6033-6033.

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

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