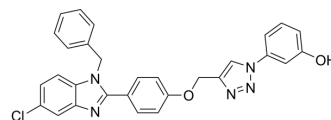


Apoptosis inducer 8

Cat. No.:	HY-147865
CAS No.:	2470024-51-0
Molecular Formula:	C ₂₉ H ₂₂ ClN ₅ O ₂
Molecular Weight:	507.97
Target:	Galectin; Apoptosis
Pathway:	Immunology/Inflammation; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Apoptosis inducer 8 (Compound 7c) is a galectin-1 (gal-1) mediated apoptosis-inducing agent against global major leading lung cancer burden. Apoptosis inducer 8 significantly reduced the gal-1 protein level. Apoptosis inducer 8 is also a PET imaging agent ^[1] .
IC₅₀ & Target	Galectin-1
In Vitro	Apoptosis inducer 8 (Compound 7c) exhibits an excellent growth inhibition against A-549, NCI-H460, MCF-7 and MDA-MB-23 cells with IC ₅₀ values of 0.63 ± 0.21, 0.99 ± 0.01, 1.3 ± 0.18 and 0.94 ± 0.02 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sridhar Goud N, et al. Novel benzimidazole-triazole hybrids as apoptosis inducing agents in lung cancer: Design, synthesis, 18F-radiolabeling & galectin-1 inhibition studies. *Bioorg Chem.* 2020 Sep;102:104125.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA