



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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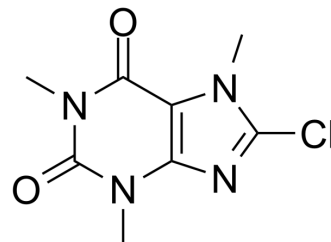
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8-Chloro caffeine

Cat. No.:	HY-W178327
CAS No.:	4921-49-7
Molecular Formula:	C ₈ H ₉ ClN ₄ O ₂
Molecular Weight:	228.64
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

8-Chloro caffeine binds to adenosine receptors ($K_i = 30 \mu\text{M}$). 8-Chloro caffeine potentiates UV-induced chromosomal aberrations in Cl-I Chinese hamster embryonic lung cells. 8-Chloro caffeine is a derivative of the methylxanthine alkaloid caffeine^{[1][2]}.

REFERENCES

- [1]. Nilsson K, et al. The effect of methylated oxypurines on the size of newly-synthesized DNA and on the production of chromosome aberrations after UV irradiation in Chinese hamster cells. *Mutat Res.* 1975 Nov;30(2):255-66.
- [2]. Bruns RF. Adenosine antagonism by purines, pteridines and benzopteridines in human fibroblasts. *Biochem Pharmacol.* 1981 Feb 15;30(4):325-33.

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

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