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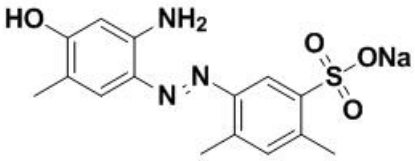
CBP Bromodomain Inhibitor - Ischemin

Chemical Name: sodium (E)-5-((2-amino-4-hydroxy-5-methylphenyl)diazenyl)-2,4-dimethylbenzenesulfonate



Molecular Weight:	357.36
Formula:	$C_{15}H_{16}N_3O_4SNa$
Purity:	≥98%
CAS#:	n/a
Solubility:	DMSO up to 100 mM
Storage	Powder: 4 °C 1 year DMSO: 4 °C 3 months -20 °C 1 year

Biological Activity:

Ischemin is a potent, selective and cell permeable CBP bromodomain inhibitor. It inhibits the acetyl-lysine binding activity of the bromodomain of CBP. It alters post-translational modifications on p53 and histones, inhibits p53 interaction with CBP and transcriptional activity in cells, and prevents Doxorubicin-induced apoptosis in ischemic cardiomyocytes. Ischemin is a good chemical probe to modulate acetylation-mediated interactions in gene transcription and a new approach to therapeutic interventions of human disorders such as myocardial ischemia

How to Use:

In vitro: Ischemin was used at 10-50 μM final concentration in various in vitro assays.

In vivo: n/a

Reference:

1. Borah JC, et al. A small molecule binding to the coactivator CREB-binding protein blocks apoptosis in cardiomyocytes. (2011) Chem Biol. 18(4):531-41.