

Bz 423

Catalog No: tcsc6823



Available Sizes

Size: 1mg



Specifications

CAS No:

216691-95-1

Formula:

$C_{27}H_{21}ClN_2O_2$

Pathway:

Apoptosis

Target:

Bcl-2 Family

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

BZ48

Observed Molecular Weight:

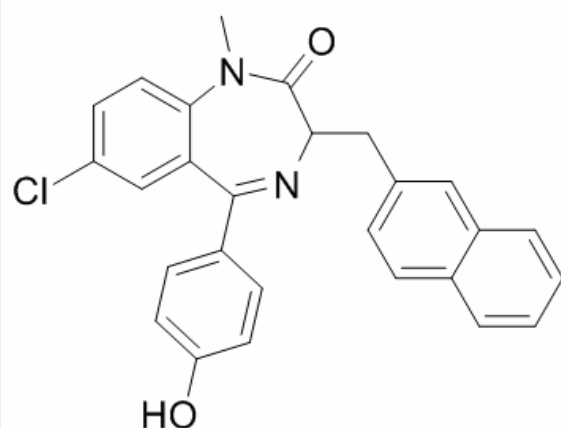
440.92

Product Description

Bz 423 is a pro-apoptotic 1,4-benzodiazepine with therapeutic properties in murine models of lupus demonstrating selectivity for autoreactive lymphocytes, and activates Bax and Bak.

In Vitro: Bz-423 induces a larger superoxide response in Ramos cells, and causes rapid death of Ramos B cells. Bz-423 activates Bax and Bak, but does not activate ASK1/JNK in Ramos cells. In Ramos cells Bz-423-induced superoxide leads to Bax and Bak

activation via changes in Mcl-1 expression and functional activation of BH3-only proteins^[1]. Bz-423 rapidly increases superoxide levels in MEFs within 1 h and the magnitude of the increase is concentration-dependent. Bz-423-induced apoptosis depends upon superoxide^[2].



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