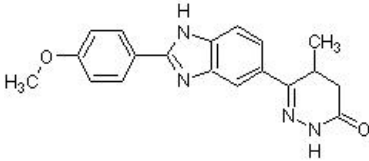


Product datasheet

Pimobendan (Vetmedin), Ca²⁺ channel sensitizer ab143019

1 Image

Overview

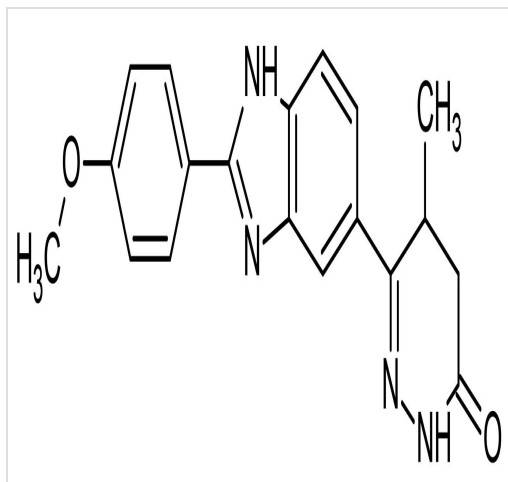
Product name	Pimobendan (Vetmedin), Ca ²⁺ channel sensitizer
Description	Ca ²⁺ channel sensitizer. Selective PDE3 inhibitor.
Biological description	Ca ²⁺ channel sensitizer. Selective PDE3 inhibitor. Inhibits platelet aggregation. Shows antithrombotic, antihypertensive, potent inotropic and vasodilatory effects <i>in vivo</i> . Orally active.
Purity	> 99%
CAS Number	74150-27-9
Chemical structure	

Properties

Chemical name	4,5-Dihydro-6-[2-(4-methoxyphenyl)-1H-benzimidazol-6-yl]-5-methyl-3(2H)-pyridazinone
Molecular weight	334.38
Molecular formula	C ₁₉ H ₁₈ N ₄ O ₂
PubChem identifier	4823
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in ethanol to 10 mM and in DMSO to 100 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>

SMILESCC1CC(=O)NN=C1C2=CC3=C(C=C2)N=C(N3)C4=CC=C(C=C4)OC**Source**

Synthetic

Images

Chemical Structure - Pimobendan (Vetmedin), Ca²⁺ channel sensitizer (ab143019)

2D chemical structure image of ab143019, Pimobendan (Vetmedin), Ca²⁺ channel sensitizer

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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