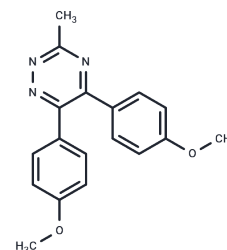


## Anitrazafen

## Chemical Properties

CAS No. :	63119-27-7
Formula:	C <sub>18</sub> H <sub>17</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	307.35
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Anitrazafen is a locally effective anti-inflammatory agent that has been shown to have COX-2 inhibitor activity.
Targets(IC50)	Others, Prostaglandin Receptor
In vivo	Anitrazafen is a topically effective anti-inflammatory agent. Plasma concentrations of total <sup>14</sup> C after subcutaneous administration of [3- <sup>14</sup> C]Anitrazafen in corn oil solution are approximately half those observed after oral administration[1]. Disposition studies in normal and bile-duct cannulated rats indicate that, following an oral dose of 25 mg/kg of [3- <sup>14</sup> C]Anitrazafen, the drug is well absorbed in the gastrointestinal tract, with biliary excretion as the primary elimination route for the drug and/or its metabolites.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2536 mL	16.2681 mL	32.5362 mL
5 mM	0.6507 mL	3.2536 mL	6.5072 mL
10 mM	0.3254 mL	1.6268 mL	3.2536 mL
50 mM	0.0651 mL	0.3254 mL	0.6507 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Sullivan HR, et al. Absorption and metabolism of anitrazafen, a topically effective anti-inflammatory agent, in the rat. *Xenobiotica*. 1981 Jan;11(1):9-22.

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