Oxyphenbutazone, HRP conjugate

DAG1275

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	Oxyphenbutazone, HRP conjugate
Antigen Description	Oxyphenbutazone is the major metabolite of Phenylbutazone, an NSAID commonly used in horses. In humans, Phenylbutazone is very dangerous, as it's use can cause aplastic anemia.
Source	NSAIDs
Conjugate	HRP
Form	concentrate
Characteristic	Each conjugate comprises antigen covalently bound to horseradish peroxide and is suitable as a tracer in immunoassay development

PACKAGING

Storage	Can be stored at 2-8°C for up to 3 months and at -20°C for longer term storage.

BACKGROUND

Introduction	Oxyphenbutazone is a non-steroidal anti-inflammatory drug (NSAID). It is a metabolite of phenylbutazone. The word oxyphenbutazone holds the title for the highest possible score for a single play under American tournament Scrabble rules, scoring 1,780 points across three triple-word-score squares, joining seven tiles to eight already played tiles.
Keywords	Oxyphenbutazone; (RS)-4-butyl-1-(4-hydroxyphenyl)-2-phenylpyrazolidine-3,5-dione; 1-(p-Hydroxyphenyl)-2-phenyl-3,5-dioxo-4-N-butylpyrazolidine; 3,5-Pyrazolidinedione, 4-butyl-1-(p-hydroxyphenyl)-2-phenyl-; Artroflog; bm1; Butaflogin; butanora; Butazonic; Californit; Crovaril; Deflogin; Etrozolidina; Flamaril; Flogoril; Flogostop; Flopirina; Frabel; G 27202; Idrobutazina; Infamil; Isobutil; Metabolite I; Neofen; Offitril; Optimal; Oxalid

REFERENCES

1. Singh, N.; Jabeen, T.; Somvanshi, R. K.; Sharma, S.; Dey, S.; Singh, T. P. (2004). "Phospholipase A2as a Target Protein for Nonsteroidal Anti-Inflammatory Drugs (NSAIDs): Crystal Structure of the Complex Formed between Phospholipase A2and Oxyphenbutazone at 1.6 Å Resolution†". Biochemistry 43 (46): 14577–14583. DOI:10.1021/bi0483561. PMID 15544328. 2. Matthews, N. S.; Peck, K. E.; Taylor, T. S.; Mealey, K. L. (2001). "Pharmacokinetics of phenylbutazone and its metabolite oxyphenbutazone in miniature donkeys". American journal of veterinary research 62 (5): 673–675. PMID 11341383.

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