TRIAZOLINEDIONE

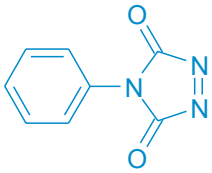
CARBOGEN AMCIS
A Dishman Group Company

We produce Triazolinedione (TAD) for captive use. We use TAD as auxiliary in our syntheses of vitamin D analogs. TAD are also widely used in organic and polymer chemistry, especially valued in their role in "click chemistry" due to their rapid and catalyst-free reactions under mild conditions.

TADs are employed for ultrafast modification and crosslinking of polymers, creation of self-healing materials, and in bioconjugation for selectively labeling amino acids in peptides and proteins. TAD reagents are used for selective modification of specific amino acids (notably tyrosine and tryptophan) in peptides and proteins, which finds applications in chemical biology and proteomics through "tyrosine-click" or "tryptophan labeling" reactions depending on pH..

Specification: Chemical name: 4-phenyl-3H-1,2,4-triazole-3,5(4H)-dione
Content Triazolinedione: ≥ 95%

•• **Structural formula:**



Toxic classification: Harmful (category Xn). Before handling this substance, read the special directions on the label and Safety Data Sheet (available upon request).

Regulatory: Non-GMP

Application: Auxiliary

The information given in this product information bulletin is based on our current knowledge and experience. It does not relieve users or processors from carrying out their own precautions and tests. Any relevant rights and existing legislation and regulations must be observed.

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CARBOGEN AMCIS is a leading service provider, offering a portfolio of drug-development and commercialization services to the pharmaceutical and biopharmaceutical industry at all stages of drug development. The integrated services provide innovative chemistry solutions to support timely and safe drug development allowing customers to make the best use of available resources. CARBOGEN AMCIS is also active in the marketing/sales and manufacture of Vitamin D analogues, Vitamin D, Cholesterol and lanolin related products for key markets as pharmaceutical, cosmetic, food, feed as well as industry applications.

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