



# Corrigendum: Current State of Knowledge in Microbial Degradation of Polycyclic Aromatic Hydrocarbons (PAHs): A Review

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## A corrigendum on

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Due to an inadvertent error, Louvado et al. (2015) was noted cited in the footnotes of **Table 1**. The corrected **Table 1** along with the footnote appears below. The authors apologize for this error. This does not affect the scientific conclusions of the article in any way.

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**Conflict of Interest Statement:** The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

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TABLE 1 | Physical-chemical properties and some relevant information of 16 PAHs enlisted as priority pollutants by US EPA.

Name	Molecular formula	Cas registry no.	Physical chemical properties			Toxicology			Biodegradation		
			B. Pt. (°C)	M.Pt (°C)	V.P. (mmHg at 25°C) <sup>a</sup>	Solubility (mg/L) <sup>a,b</sup>	TEF <sup>a,c</sup>	IARC <sup>a,d</sup>	EPA <sup>a,e</sup>	Estimated half-lives (days) <sup>a,f</sup>	Measured half-lives (days) <sup>a,g</sup>
Naphthalene	C <sub>10</sub> H <sub>8</sub>	91-20-3	218	80.2	8.5 × 10 <sup>-2</sup>	31	n.d.	2B	C	5.66	n.d.
Acenaphthene	C <sub>12</sub> H <sub>10</sub>	83-32-9	279	93.4	2.5 × 10 <sup>-3</sup>	3.93	0.001	3	D	18.77	n.d.
Acenaphthylene	C <sub>12</sub> H <sub>8</sub>	208-96-8	280	91.8	6.68 × 10 <sup>-3</sup>	1.93	0.001	n.c.	D	30.7	n.d.
Anthracene	C <sub>14</sub> H <sub>10</sub>	120-12-7	342	216.4	6.53 × 10 <sup>-6</sup>	0.076	0.01	3	D	123	2.7
Phenanthrene	C <sub>14</sub> H <sub>10</sub>	85-01-8	340	100.5	1.2 × 10 <sup>-4</sup>	1.20	0.001	3	D	14.97	5
Fluorene	C <sub>13</sub> H <sub>10</sub>	86-73-7	295	116-7	6.0 × 10 <sup>-4</sup>	1.68-1.98	0.001	3	D	15.14	n.d.
Fluoranthene	C <sub>16</sub> H <sub>10</sub>	206-44-0	375	108.8	9.22 × 10 <sup>-6</sup>	0.20-0.26	0.001	3	D	191.4	9.2
Benzofluoranthene	C <sub>18</sub> H <sub>12</sub>	56-55-3	438	158	4.11 × 10 <sup>-3</sup>	0.010	0.1	2B	B2	343.8	>182
Chrysene	C <sub>18</sub> H <sub>12</sub>	218-01-9	448	254	6.23 × 10 <sup>-9</sup>	1.5 × 10 <sup>-3</sup>	0.010	2B	B2	343.8	n.d.
Pyrene	C <sub>16</sub> H <sub>10</sub>	129-00-0	150.4	393	4.5 × 10 <sup>-6</sup>	0.132	0.001	3	D	283.4	151
Benzofluoranthene	C <sub>20</sub> H <sub>12</sub>	50-32-8	495	179	5.49 × 10 <sup>-9</sup>	3.8 × 10 <sup>-3</sup>	1.0	1	B2	421.6	11
Benzofluoranthene	C <sub>20</sub> H <sub>12</sub>	205-99-2	481	168.3	5.0 × 10 <sup>-7</sup>	0.0012	n.d.	2B	B2	284.7	n.d.
Benzofluoranthene	C <sub>20</sub> H <sub>12</sub>	207-08-9	480	215.7	9.7 × 10 <sup>-10</sup>	7.6 × 10 <sup>-4</sup>	0.1	2B	B2	284.7	n.d.
Dibenzofluoranthene	C <sub>22</sub> H <sub>14</sub>	53-70-3	524	262	9.55 × 10 <sup>-10</sup>	5.0 × 10 <sup>-4</sup>	n.d.	2A	B2	511.4	n.d.
Benzofluoranthene	C <sub>22</sub> H <sub>12</sub>	191-24-2	500	277	1.0 × 10 <sup>-10</sup>	2.6 × 10 <sup>-5</sup>	n.d.	3	D	517.1	n.d.
Indeno[1,2,3-cd]pyrene	C <sub>22</sub> H <sub>12</sub>	193-39-5	536	161-3	1.25 × 10 <sup>-3</sup>	0.062	n.d.	2B	B2	349.2	n.d.

<sup>a</sup>Data for vapor pressure, solubility, toxicology, and biodegradation has been adapted from Louvado et al. (2015) and the references therein.

<sup>b</sup>Mackay and Shiu (1977).

<sup>c</sup>Toxic equivalent factor relatively to Benzo[a]pyrene (Chang et al., 2014).

<sup>d</sup>International Agency for Research on Cancer Classification Monographs Volume 1-111 updated 18 February 2015 (1, carcinogenic to humans; 2A, probably carcinogenic to humans; 2B, possibly carcinogenic to humans; 3, not classifiable as carcinogenic to humans; n.c., not classified).

<sup>e</sup>EPA carcinogenic classification: A, human carcinogenic; B1 and B2, probable human carcinogenic; C, possible human carcinogenic; D, not Classifiable as to human carcinogenicity; E, evidence of non-carcinogenicity for humans.

<sup>f</sup>Estimation using BioWin software v1.01 on EPI Suite software develop by Howard et al. (2005).

<sup>g</sup>Camber et al. (2012); n.d., not determined.